

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicant: Kenih P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No.: 09/678,016 Filed: October 2, 2000
 For: MOLECULES COMPRISING AN IMPDH-LIKE BINDED POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 1/ 118

EF230788202US

FIG. 1A-1

IMPDH COORDINATES

		Atom	Type	Residue	#	X	Y	Z	OCC	B
ATOM	1	CB	ALA	17	72.558	49.267	65.109	1.00	22.70	
ATOM	2	C	ALA	17	71.313	51.476	65.238	1.00	26.93	
ATOM	3	O	ALA	17	70.825	51.262	64.127	1.00	29.36	
ATOM	4	N	ALA	17	71.028	49.819	66.975	1.00	26.46	
ATOM	5	CA	ALA	17	72.022	50.375	66.030	1.00	26.18	
ATOM	6	N	LEU	18	71.234	52.650	65.852	1.00	25.12	
ATOM	7	CA	LEU	18	70.583	53.798	65.245	1.00	23.77	
ATOM	8	CB	LEU	18	69.314	54.098	66.036	1.00	24.11	
ATOM	9	CG	LEU	18	68.112	54.653	65.285	1.00	25.97	
ATOM	10	CD1	LEU	18	67.670	53.647	64.234	1.00	20.03	
ATOM	11	CD2	LEU	18	66.998	54.949	66.278	1.00	24.01	
ATOM	12	C	LEU	18	71.549	54.973	65.364	1.00	22.96	
ATOM	13	O	LEU	18	72.234	55.092	66.376	1.00	24.55	
ATOM	14	N	THR	19	71.657	55.805	64.334	1.00	20.50	
ATOM	15	CA	THR	19	72.555	56.953	64.418	1.00	19.77	
ATOM	16	CB	THR	19	73.040	57.451	63.032	1.00	19.66	
ATOM	17	OG1	THR	19	71.942	57.976	62.285	1.00	24.22	
ATOM	18	CG2	THR	19	73.681	56.329	62.254	1.00	21.13	
ATOM	19	C	THR	19	71.856	58.108	65.118	1.00	20.76	
ATOM	20	O	THR	19	70.625	58.138	65.196	1.00	23.20	
ATOM	21	N	ALA	20	72.644	59.064	65.604	1.00	20.04	
ATOM	22	CA	ALA	20	72.129	60.244	66.286	1.00	17.52	
ATOM	23	CB	ALA	20	73.277	61.136	66.727	1.00	16.35	
ATOM	24	C	ALA	20	71.188	61.011	65.370	1.00	17.21	
ATOM	25	O	ALA	20	70.121	61.445	65.789	1.00	18.45	
ATOM	26	N	GLN	21	71.586	61.168	64.114	1.00	18.11	
ATOM	27	CA	GLN	21	70.768	61.865	63.132	1.00	17.57	
ATOM	28	CB	GLN	21	71.445	61.795	61.759	1.00	19.03	
ATOM	29	CG	GLN	21	70.925	62.768	60.699	1.00	23.41	
ATOM	30	CD	GLN	21	69.630	62.324	60.040	1.00	31.00	
ATOM	31	OE1	GLN	21	69.245	61.155	60.105	1.00	34.26	
ATOM	32	NE2	GLN	21	68.957	63.260	59.381	1.00	36.22	
ATOM	33	C	GLN	21	69.383	61.210	63.093	1.00	17.94	
ATOM	34	O	GLN	21	68.374	61.895	63.181	1.00	20.56	
ATOM	35	N	GLN	22	69.340	59.883	63.025	1.00	15.31	
ATOM	36	CA	GLN	22	68.072	59.155	62.976	1.00	14.95	
ATOM	37	CB	GLN	22	68.316	57.682	62.671	1.00	14.56	
ATOM	38	CG	GLN	22	68.906	57.446	61.307	1.00	19.65	
ATOM	39	CD	GLN	22	69.475	56.058	61.166	1.00	28.31	
ATOM	40	OE1	GLN	22	69.911	55.447	62.146	1.00	29.91	
ATOM	41	NE2	GLN	22	69.499	55.554	59.939	1.00	34.86	
ATOM	42	C	GLN	22	67.284	59.251	64.265	1.00	14.40	
ATOM	43	O	GLN	22	66.104	59.559	64.260	1.00	17.28	
ATOM	44	N	LEU	23	67.961	58.997	65.369	1.00	13.72	
ATOM	45	CA	LEU	23	67.360	59.019	66.686	1.00	13.86	
ATOM	46	CB	LEU	23	68.430	58.644	67.719	1.00	10.46	
ATOM	47	CG	LEU	23	68.090	58.588	69.210	1.00	10.45	
ATOM	48	CD1	LEU	23	67.222	57.399	69.478	1.00	13.28	
ATOM	49	CD2	LEU	23	69.354	58.489	70.036	1.00	9.21	
ATOM	50	C	LEU	23	66.698	60.343	67.072	1.00	17.33	
ATOM	51	O	LEU	23	65.552	60.353	67.517	1.00	17.38	
ATOM	52	N	PHE	24	67.417	61.454	66.894	1.00	22.11	
ATOM	53	CA	PHE	24	66.926	62.781	67.282	1.00	23.93	
ATOM	54	CB	PHE	24	68.060	63.626	67.870	1.00	18.72	
ATOM	55	CG	PHE	24	68.688	63.017	69.084	1.00	18.19	
ATOM	56	CD1	PHE	24	68.056	63.098	70.321	1.00	16.51	

APPROVED	O. G. FIG.	
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 Attorney : James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 2/118

Docket No.: VPI/96-03 DIV2

Filed October 2, 2000

FIG. 1A-2

ATOM	57	CD2	PHE	24	69.849	62.270	68.975	1.00	16.34
ATOM	58	CE1	PHE	24	68.573	62.445	71.422	1.00	16.81
ATOM	59	CE2	PHE	24	70.373	61.614	70.070	1.00	17.36
ATOM	60	CZ	PHE	24	69.732	61.695	71.295	1.00	20.29
ATOM	61	C	PHE	24	66.228	63.569	66.212	1.00	28.47
ATOM	62	O	PHE	24	66.123	64.788	66.308	1.00	30.83
ATOM	63	N	ASN	25	65.728	62.886	65.197	1.00	31.66
ATOM	64	CA	ASN	25	65.039	63.585	64.130	1.00	35.39
ATOM	65	CB	ASN	25	65.970	63.788	62.926	1.00	37.11
ATOM	66	CG	ASN	25	66.984	64.917	63.156	1.00	32.50
ATOM	67	OD1	ASN	25	66.630	66.090	63.117	1.00	34.46
ATOM	68	ND2	ASN	25	68.235	64.562	63.402	1.00	24.11
ATOM	69	C	ASN	25	63.752	62.868	63.767	1.00	37.00
ATOM	70	O	ASN	25	63.416	62.689	62.593	1.00	37.37
ATOM	71	N	CYS	26	63.053	62.447	64.821	1.00	38.09
ATOM	72	CA	CYS	26	61.768	61.759	64.725	1.00	39.40
ATOM	73	CB	CYS	26	61.902	60.316	65.197	1.00	41.92
ATOM	74	SG	CYS	26	63.069	59.371	64.233	1.00	54.81
ATOM	75	C	CYS	26	60.701	62.474	65.566	1.00	39.10
ATOM	76	O	CYS	26	59.562	62.020	65.636	1.00	40.50
ATOM	77	N	GLY	27	61.092	63.563	66.232	1.00	37.42
ATOM	78	CA	GLY	27	60.169	64.345	67.044	1.00	34.99
ATOM	79	C	GLY	27	59.622	63.721	68.319	1.00	33.08
ATOM	80	O	GLY	27	58.602	64.171	68.843	1.00	33.66
ATOM	81	N	ASP	28	60.324	62.731	68.857	1.00	29.48
ATOM	82	CA	ASP	28	59.872	62.053	70.061	1.00	26.13
ATOM	83	CB	ASP	28	60.518	60.669	70.156	1.00	31.57
ATOM	84	CG	ASP	28	60.062	59.717	69.058	1.00	37.50
ATOM	85	OD1	ASP	28	59.113	60.055	68.313	1.00	42.70
ATOM	86	OD2	ASP	28	60.651	58.615	68.949	1.00	40.12
ATOM	87	C	ASP	28	60.107	62.803	71.368	1.00	24.31
ATOM	88	O	ASP	28	59.607	62.382	72.405	1.00	26.33
ATOM	89	N	GLY	29	60.879	63.885	71.340	1.00	20.96
ATOM	90	CA	GLY	29	61.152	64.622	72.564	1.00	17.97
ATOM	91	C	GLY	29	61.908	63.793	73.597	1.00	19.01
ATOM	92	O	GLY	29	61.468	63.660	74.748	1.00	21.20
ATOM	93	N	LEU	30	63.065	63.261	73.197	1.00	17.09
ATOM	94	CA	LEU	30	63.892	62.416	74.057	1.00	12.60
ATOM	95	CB	LEU	30	64.817	61.547	73.212	1.00	9.93
ATOM	96	CG	LEU	30	64.233	60.723	72.068	1.00	10.94
ATOM	97	CD1	LEU	30	65.388	60.127	71.284	1.00	9.88
ATOM	98	CD2	LEU	30	63.302	59.628	72.598	1.00	11.80
ATOM	99	C	LEU	30	64.762	63.194	75.021	1.00	13.15
ATOM	100	O	LEU	30	65.039	64.376	74.824	1.00	12.25
ATOM	101	N	THR	31	65.290	62.474	75.998	1.00	12.92
ATOM	102	CA	THR	31	66.164	63.037	77.006	1.00	16.46
ATOM	103	CB	THR	31	65.392	63.352	78.279	1.00	22.29
ATOM	104	OG1	THR	31	64.263	64.164	77.961	1.00	33.50
ATOM	105	CG2	THR	31	66.253	64.121	79.219	1.00	25.29
ATOM	106	C	THR	31	67.204	61.969	77.318	1.00	16.75
ATOM	107	O	THR	31	67.076	60.831	76.863	1.00	18.24
ATOM	108	N	TYR	32	68.207	62.328	78.113	1.00	14.54
ATOM	109	CA	TYR	32	69.281	61.418	78.493	1.00	13.73
ATOM	110	CB	TYR	32	70.114	62.029	79.623	1.00	14.15
ATOM	111	CG	TYR	32	70.778	63.348	79.275	1.00	13.25
ATOM	112	CD1	TYR	32	71.485	63.498	78.087	1.00	11.60
ATOM	113	CE1	TYR	32	72.102	64.696	77.770	1.00	11.18
ATOM	114	CD2	TYR	32	70.708	64.443	80.143	1.00	9.67
ATOM	115	CE2	TYR	32	71.323	65.641	79.831	1.00	5.87

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FIG. 1A-3

ATOM	116	CZ	TYR	32	72.020	65.759	78.645	1.00	9.04
ATOM	117	OH	TYR	32	72.646	66.936	78.322	1.00	12.17
ATOM	118	C	TYR	32	68.836	60.014	78.895	1.00	14.12
ATOM	119	O	TYR	32	69.377	59.028	78.412	1.00	15.71
ATOM	120	N	ASN	33	67.844	59.919	79.770	1.00	13.11
ATOM	121	CA	ASN	33	67.371	58.614	80.217	1.00	11.54
ATOM	122	CB	ASN	33	66.496	58.768	81.462	1.00	11.83
ATOM	123	CG	ASN	33	67.311	59.056	82.713	1.00	17.66
ATOM	124	OD1	ASN	33	68.541	59.127	82.665	1.00	23.03
ATOM	125	ND2	ASN	33	66.634	59.216	83.840	1.00	20.22
ATOM	126	C	ASN	33	66.628	57.803	79.162	1.00	9.67
ATOM	127	O	ASN	33	66.382	56.632	79.359	1.00	11.34
ATOM	128	N	ASP	34	66.314	58.411	78.027	1.00	10.31
ATOM	129	CA	ASP	34	65.565	57.730	76.980	1.00	9.62
ATOM	130	CB	ASP	34	64.693	58.723	76.202	1.00	7.60
ATOM	131	CG	ASP	34	63.702	59.452	77.080	1.00	10.75
ATOM	132	OD1	ASP	34	62.884	58.790	77.743	1.00	16.59
ATOM	133	OD2	ASP	34	63.728	60.695	77.105	1.00	16.20
ATOM	134	C	ASP	34	66.410	56.951	75.996	1.00	10.82
ATOM	135	O	ASP	34	65.857	56.330	75.088	1.00	12.67
ATOM	136	N	PHE	35	67.732	56.997	76.119	1.00	10.03
ATOM	137	CA	PHE	35	68.566	56.251	75.180	1.00	11.20
ATOM	138	CB	PHE	35	68.809	57.065	73.905	1.00	8.60
ATOM	139	CG	PHE	35	69.723	58.235	74.093	1.00	5.90
ATOM	140	CD1	PHE	35	69.222	59.467	74.457	1.00	2.20
ATOM	141	CD2	PHE	35	71.095	58.094	73.916	1.00	9.58
ATOM	142	CE1	PHE	35	70.059	60.547	74.628	1.00	5.47
ATOM	143	CE2	PHE	35	71.944	59.166	74.085	1.00	8.35
ATOM	144	CZ	PHE	35	71.423	60.399	74.450	1.00	10.50
ATOM	145	C	PHE	35	69.892	55.758	75.748	1.00	12.61
ATOM	146	O	PHE	35	70.284	56.119	76.859	1.00	13.92
ATOM	147	N	LEU	36	70.568	54.917	74.972	1.00	14.59
ATOM	148	CA	LEU	36	71.863	54.348	75.346	1.00	14.60
ATOM	149	CB	LEU	36	71.712	52.852	75.647	1.00	15.42
ATOM	150	CG	LEU	36	71.050	52.471	76.958	1.00	15.98
ATOM	151	CD1	LEU	36	70.772	50.996	76.982	1.00	12.63
ATOM	152	CD2	LEU	36	71.943	52.880	78.105	1.00	19.66
ATOM	153	C	LEU	36	72.825	54.475	74.183	1.00	13.79
ATOM	154	O	LEU	36	72.402	54.693	73.046	1.00	15.53
ATOM	155	N	ILE	37	74.117	54.370	74.468	1.00	13.37
ATOM	156	CA	ILE	37	75.114	54.398	73.412	1.00	11.78
ATOM	157	CB	ILE	37	76.301	55.330	73.708	1.00	12.62
ATOM	158	CG2	ILE	37	77.117	55.521	72.432	1.00	9.76
ATOM	159	CG1	ILE	37	75.818	56.695	74.204	1.00	9.90
ATOM	160	CD1	ILE	37	76.942	57.594	74.695	1.00	3.11
ATOM	161	C	ILE	37	75.616	52.963	73.403	1.00	11.63
ATOM	162	O	ILE	37	75.927	52.406	74.464	1.00	9.34
ATOM	163	N	LEU	38	75.605	52.347	72.225	1.00	12.19
ATOM	164	CA	LEU	38	76.048	50.964	72.067	1.00	12.98
ATOM	165	CB	LEU	38	75.474	50.372	70.778	1.00	12.87
ATOM	166	CG	LEU	38	74.129	49.627	70.830	1.00	9.25
ATOM	167	CD1	LEU	38	73.238	50.120	71.943	1.00	7.47
ATOM	168	CD2	LEU	38	73.445	49.763	69.494	1.00	3.33
ATOM	169	C	LEU	38	77.572	50.880	72.067	1.00	16.00
ATOM	170	O	LEU	38	78.244	51.672	71.402	1.00	18.83
ATOM	171	N	PRO	39	78.134	49.894	72.803	1.00	14.92
ATOM	172	CD	PRO	39	77.416	48.835	73.528	1.00	16.09
ATOM	173	CA	PRO	39	79.578	49.702	72.899	1.00	14.01
ATOM	174	CB	PRO	39	79.688	48.579	73.928	1.00	14.77

APPROVED	O.G. FIG.
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FIG. 1A-4

ATOM	175	CG	PRO	39	78.470	47.778	73.672	1.00	16.81
ATOM	176	C	PRO	39	80.247	49.339	71.574	1.00	15.63
ATOM	177	O	PRO	39	79.639	48.687	70.713	1.00	15.28
ATOM	178	N	GLY	40	81.513	49.736	71.439	1.00	14.98
ATOM	179	CA	GLY	40	82.262	49.470	70.230	1.00	12.21
ATOM	180	C	GLY	40	83.409	48.495	70.399	1.00	13.01
ATOM	181	O	GLY	40	83.224	47.389	70.919	1.00	12.38
ATOM	182	N	TYR	41	84.583	48.892	69.904	1.00	13.42
ATOM	183	CA	TYR	41	85.794	48.077	69.957	1.00	13.37
ATOM	184	CB	TYR	41	86.353	47.862	68.551	1.00	13.51
ATOM	185	CG	TYR	41	87.638	47.069	68.546	1.00	21.45
ATOM	186	CD1	TYR	41	87.680	45.770	69.050	1.00	24.36
ATOM	187	CE1	TYR	41	88.863	45.046	69.069	1.00	28.32
ATOM	188	CD2	TYR	41	88.818	47.625	68.064	1.00	26.04
ATOM	189	CE2	TYR	41	90.013	46.910	68.082	1.00	25.88
ATOM	190	CZ	TYR	41	90.029	45.623	68.585	1.00	27.54
ATOM	191	OH	TYR	41	91.211	44.917	68.607	1.00	29.43
ATOM	192	C	TYR	41	86.861	48.731	70.824	1.00	14.08
ATOM	193	O	TYR	41	87.248	49.878	70.588	1.00	14.99
ATOM	194	N	ILE	42	87.381	47.980	71.785	1.00	14.83
ATOM	195	CA	ILE	42	88.390	48.518	72.691	1.00	16.98
ATOM	196	CB	ILE	42	88.076	48.131	74.151	1.00	17.07
ATOM	197	CG2	ILE	42	89.107	48.739	75.098	1.00	14.32
ATOM	198	CG1	ILE	42	86.650	48.568	74.507	1.00	16.63
ATOM	199	CD1	ILE	42	86.157	48.016	75.818	1.00	15.82
ATOM	200	C	ILE	42	89.795	48.048	72.352	1.00	18.11
ATOM	201	O	ILE	42	90.060	46.844	72.285	1.00	19.16
ATOM	202	N	ASP	43	90.692	49.000	72.129	1.00	17.76
ATOM	203	CA	ASP	43	92.082	48.683	71.826	1.00	20.06
ATOM	204	CB	ASP	43	92.331	48.676	70.312	1.00	20.24
ATOM	205	CG	ASP	43	92.245	50.056	69.682	1.00	23.30
ATOM	206	OD1	ASP	43	91.509	50.936	70.186	1.00	23.90
ATOM	207	OD2	ASP	43	92.915	50.248	68.648	1.00	25.65
ATOM	208	C	ASP	43	93.016	49.659	72.540	1.00	20.53
ATOM	209	O	ASP	43	94.110	49.955	72.071	1.00	21.86
ATOM	210	N	PHE	44	92.564	50.152	73.685	1.00	19.12
ATOM	211	CA	PHE	44	93.323	51.091	74.488	1.00	19.11
ATOM	212	CB	PHE	44	93.219	52.509	73.910	1.00	22.06
ATOM	213	CG	PHE	44	91.816	53.051	73.883	1.00	26.32
ATOM	214	CD1	PHE	44	90.925	52.675	72.871	1.00	23.08
ATOM	215	CD2	PHE	44	91.367	53.904	74.890	1.00	26.77
ATOM	216	CE1	PHE	44	89.612	53.131	72.866	1.00	19.60
ATOM	217	CE2	PHE	44	90.053	54.363	74.893	1.00	27.23
ATOM	218	CZ	PHE	44	89.174	53.974	73.875	1.00	23.92
ATOM	219	C	PHE	44	92.716	51.039	75.881	1.00	19.64
ATOM	220	O	PHE	44	91.666	50.418	76.085	1.00	19.73
ATOM	221	N	THR	45	93.359	51.699	76.834	1.00	19.57
ATOM	222	CA	THR	45	92.871	51.699	78.203	1.00	20.17
ATOM	223	CB	THR	45	94.015	51.487	79.185	1.00	21.18
ATOM	224	OG1	THR	45	95.014	52.488	78.966	1.00	25.33
ATOM	225	CG2	THR	45	94.623	50.113	78.988	1.00	18.41
ATOM	226	C	THR	45	92.144	52.985	78.560	1.00	18.54
ATOM	227	O	THR	45	92.360	54.024	77.944	1.00	18.57
ATOM	228	N	ALA	46	91.310	52.914	79.589	1.00	17.69
ATOM	229	CA	ALA	46	90.541	54.066	80.030	1.00	17.75
ATOM	230	CB	ALA	46	89.709	53.719	81.253	1.00	13.85
ATOM	231	C	ALA	46	91.441	55.251	80.315	1.00	18.75
ATOM	232	O	ALA	46	91.138	56.367	79.917	1.00	20.63
ATOM	233	N	ASP	47	92.582	55.001	80.944	1.00	20.24

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1A-5

ATOM	234	CA	ASP	47	93.504	56.088	81.268	1.00	21.37
ATOM	235	CB	ASP	47	94.580	55.645	82.278	1.00	25.83
ATOM	236	CG	ASP	47	95.352	54.403	81.837	1.00	35.96
ATOM	237	OD1	ASP	47	96.462	54.556	81.274	1.00	38.06
ATOM	238	OD2	ASP	47	94.870	53.269	82.091	1.00	42.93
ATOM	239	C	ASP	47	94.129	56.778	80.060	1.00	19.38
ATOM	240	O	ASP	47	94.754	57.822	80.196	1.00	19.83
ATOM	241	N	GLN	48	93.920	56.222	78.874	1.00	18.14
ATOM	242	CA	GLN	48	94.477	56.808	77.665	1.00	18.72
ATOM	243	CB	GLN	48	94.867	55.713	76.667	1.00	20.43
ATOM	244	CG	GLN	48	96.117	54.922	77.038	1.00	25.96
ATOM	245	CD	GLN	48	96.606	54.032	75.900	1.00	31.16
ATOM	246	OE1	GLN	48	97.052	54.519	74.857	1.00	30.37
ATOM	247	NE2	GLN	48	96.520	52.721	76.096	1.00	33.58
ATOM	248	C	GLN	48	93.510	57.772	77.000	1.00	20.23
ATOM	249	O	GLN	48	93.840	58.387	75.985	1.00	22.71
ATOM	250	N	VAL	49	92.311	57.896	77.558	1.00	20.36
ATOM	251	CA	VAL	49	91.286	58.771	76.997	1.00	18.46
ATOM	252	CB	VAL	49	89.878	58.347	77.489	1.00	19.19
ATOM	253	CG1	VAL	49	88.826	59.354	77.039	1.00	22.83
ATOM	254	CG2	VAL	49	89.545	56.957	76.964	1.00	17.01
ATOM	255	C	VAL	49	91.540	60.240	77.315	1.00	15.71
ATOM	256	O	VAL	49	91.771	60.601	78.465	1.00	16.81
ATOM	257	N	ASP	50	91.482	61.083	76.291	1.00	14.39
ATOM	258	CA	ASP	50	91.711	62.514	76.455	1.00	14.04
ATOM	259	CB	ASP	50	92.620	63.027	75.338	1.00	11.59
ATOM	260	CG	ASP	50	92.982	64.500	75.497	1.00	15.45
ATOM	261	OD1	ASP	50	93.099	65.001	76.641	1.00	19.60
ATOM	262	OD2	ASP	50	93.166	65.160	74.460	1.00	18.29
ATOM	263	C	ASP	50	90.396	63.299	76.466	1.00	13.17
ATOM	264	O	ASP	50	89.600	63.207	75.529	1.00	14.97
ATOM	265	N	LEU	51	90.199	64.101	77.508	1.00	11.28
ATOM	266	CA	LEU	51	88.989	64.899	77.658	1.00	10.04
ATOM	267	CB	LEU	51	88.452	64.770	79.080	1.00	8.54
ATOM	268	CG	LEU	51	88.308	63.399	79.734	1.00	5.22
ATOM	269	CD1	LEU	51	87.731	63.609	81.122	1.00	3.10
ATOM	270	CD2	LEU	51	87.404	62.485	78.912	1.00	8.97
ATOM	271	C	LEU	51	89.153	66.390	77.337	1.00	10.78
ATOM	272	O	LEU	51	88.289	67.187	77.688	1.00	12.28
ATOM	273	N	THR	52	90.247	66.776	76.688	1.00	12.96
ATOM	274	CA	THR	52	90.476	68.181	76.347	1.00	12.08
ATOM	275	CB	THR	52	91.721	68.340	75.469	1.00	12.55
ATOM	276	OG1	THR	52	92.867	67.868	76.191	1.00	10.40
ATOM	277	CG2	THR	52	91.930	69.795	75.090	1.00	15.12
ATOM	278	C	THR	52	89.254	68.722	75.627	1.00	11.99
ATOM	279	O	THR	52	88.798	68.142	74.644	1.00	13.13
ATOM	280	N	SER	53	88.731	69.837	76.120	1.00	11.60
ATOM	281	CA	SER	53	87.530	70.412	75.548	1.00	11.26
ATOM	282	CB	SER	53	86.325	69.983	76.377	1.00	13.37
ATOM	283	OG	SER	53	86.159	68.577	76.326	1.00	17.69
ATOM	284	C	SER	53	87.554	71.922	75.445	1.00	11.98
ATOM	285	O	SER	53	88.144	72.607	76.276	1.00	13.12
ATOM	286	N	ALA	54	86.894	72.435	74.416	1.00	11.95
ATOM	287	CA	ALA	54	86.817	73.864	74.173	1.00	12.45
ATOM	288	CB	ALA	54	86.566	74.122	72.693	1.00	8.03
ATOM	289	C	ALA	54	85.699	74.486	74.997	1.00	15.40
ATOM	290	O	ALA	54	84.527	74.138	74.821	1.00	17.45
ATOM	291	N	LEU	55	86.056	75.371	75.920	1.00	15.11
ATOM	292	CA	LEU	55	85.052	76.052	76.722	1.00	15.35

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed : October 2, 2000
 For : MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET AND
 ENCODED DATA STORAGE MEDIUM CAPABLE OF GRAPHICALLY
 DISPLAYING THEM
 Attorney : James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 6/118

FIG. 1A-6

ATOM	293	CB	LEU	55	85.679	76.793	77.905	1.00	11.75
ATOM	294	CG	LEU	55	84.652	77.545	78.753	1.00	5.59
ATOM	295	CD1	LEU	55	83.821	76.562	79.548	1.00	2.00
ATOM	296	CD2	LEU	55	85.338	78.506	79.685	1.00	7.88
ATOM	297	C	LEU	55	84.398	77.062	75.795	1.00	16.99
ATOM	298	O	LEU	55	83.183	77.132	75.703	1.00	19.02
ATOM	299	N	THR	56	85.216	77.843	75.102	1.00	17.95
ATOM	300	CA	THR	56	84.707	78.844	74.179	1.00	18.88
ATOM	301	CB	THR	56	84.709	80.275	74.804	1.00	16.13
ATOM	302	OG1	THR	56	86.054	80.712	75.017	1.00	14.10
ATOM	303	CG2	THR	56	83.970	80.300	76.145	1.00	16.08
ATOM	304	C	THR	56	85.614	78.815	72.955	1.00	20.87
ATOM	305	O	THR	56	86.517	77.980	72.869	1.00	23.00
ATOM	306	N	LYS	57	85.371	79.718	72.011	1.00	21.01
ATOM	307	CA	LYS	57	86.174	79.799	70.805	1.00	20.04
ATOM	308	CB	LYS	57	85.741	80.986	69.955	1.00	18.70
ATOM	309	CG	LYS	57	84.745	80.615	68.891	1.00	21.51
ATOM	310	CD	LYS	57	84.338	81.805	68.056	1.00	23.91
ATOM	311	CE	LYS	57	83.449	81.350	66.915	1.00	32.96
ATOM	312	NZ	LYS	57	82.765	82.469	66.212	1.00	36.85
ATOM	313	C	LYS	57	87.661	79.894	71.089	1.00	22.00
ATOM	314	O	LYS	57	88.469	79.549	70.238	1.00	25.73
ATOM	315	N	LYS	58	88.033	80.380	72.267	1.00	22.39
ATOM	316	CA	LYS	58	89.444	80.490	72.598	1.00	23.85
ATOM	317	CB	LYS	58	89.927	81.933	72.445	1.00	25.83
ATOM	318	CG	LYS	58	89.896	82.442	71.001	1.00	28.99
ATOM	319	CD	LYS	58	90.874	83.590	70.769	1.00	34.75
ATOM	320	CE	LYS	58	90.656	84.733	71.755	1.00	42.57
ATOM	321	NZ	LYS	58	91.646	85.843	71.599	1.00	44.82
ATOM	322	C	LYS	58	89.847	79.921	73.958	1.00	25.84
ATOM	323	O	LYS	58	91.034	79.809	74.240	1.00	28.83
ATOM	324	N	ILE	59	88.882	79.596	74.817	1.00	24.95
ATOM	325	CA	ILE	59	89.207	79.005	76.118	1.00	21.26
ATOM	326	CB	ILE	59	88.186	79.373	77.215	1.00	19.15
ATOM	327	CG2	ILE	59	88.599	78.744	78.536	1.00	18.36
ATOM	328	CG1	ILE	59	88.030	80.892	77.345	1.00	13.94
ATOM	329	CD1	ILE	59	89.012	81.556	78.261	1.00	10.28
ATOM	330	C	ILE	59	89.120	77.494	75.934	1.00	23.50
ATOM	331	O	ILE	59	88.112	76.979	75.445	1.00	24.71
ATOM	332	N	THR	60	90.163	76.784	76.335	1.00	22.69
ATOM	333	CA	THR	60	90.182	75.337	76.211	1.00	22.98
ATOM	334	CB	THR	60	91.067	74.904	75.028	1.00	26.30
ATOM	335	OG1	THR	60	90.432	75.296	73.803	1.00	30.53
ATOM	336	CG2	THR	60	91.283	73.398	75.026	1.00	27.27
ATOM	337	C	THR	60	90.664	74.716	77.518	1.00	22.51
ATOM	338	O	THR	60	91.712	75.080	78.038	1.00	25.19
ATOM	339	N	LEU	61	89.865	73.806	78.057	1.00	20.62
ATOM	340	CA	LEU	61	90.165	73.150	79.316	1.00	16.73
ATOM	341	CB	LEU	61	88.910	73.162	80.190	1.00	14.48
ATOM	342	CG	LEU	61	88.062	74.436	80.112	1.00	9.39
ATOM	343	CD1	LEU	61	86.663	74.190	80.668	1.00	9.35
ATOM	344	CD2	LEU	61	88.766	75.570	80.834	1.00	2.85
ATOM	345	C	LEU	61	90.597	71.714	79.072	1.00	16.25
ATOM	346	O	LEU	61	90.453	71.189	77.968	1.00	15.53
ATOM	347	N	LYS	62	91.111	71.075	80.113	1.00	17.42
ATOM	348	CA	LYS	62	91.550	69.695	80.017	1.00	20.31
ATOM	349	CB	LYS	62	92.624	69.379	81.061	1.00	23.11
ATOM	350	CG	LYS	62	93.910	70.206	80.915	1.00	31.56
ATOM	351	CD	LYS	62	94.470	70.167	79.492	1.00	36.67

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1A-7

ATOM	352	CE	LYS	62	94.867	68.753	79.074	1.00	40.37
ATOM	353	NZ	LYS	62	95.167	68.655	77.613	1.00	41.00
ATOM	354	C	LYS	62	90.360	68.773	80.190	1.00	22.22
ATOM	355	O	LYS	62	90.378	67.642	79.718	1.00	24.32
ATOM	356	N	THR	63	89.322	69.262	80.863	1.00	24.24
ATOM	357	CA	THR	63	88.106	68.485	81.093	1.00	22.98
ATOM	358	CB	THR	63	87.927	68.142	82.581	1.00	22.74
ATOM	359	OG1	THR	63	87.737	69.344	83.327	1.00	28.60
ATOM	360	CG2	THR	63	89.146	67.422	83.117	1.00	22.14
ATOM	361	C	THR	63	86.913	69.312	80.621	1.00	22.76
ATOM	362	O	THR	63	86.993	70.541	80.523	1.00	24.77
ATOM	363	N	PRO	64	85.788	68.656	80.321	1.00	21.21
ATOM	364	CD	PRO	64	85.600	67.195	80.223	1.00	20.66
ATOM	365	CA	PRO	64	84.597	69.367	79.858	1.00	19.26
ATOM	366	CB	PRO	64	83.938	68.321	78.974	1.00	20.57
ATOM	367	CG	PRO	64	84.162	67.063	79.773	1.00	17.12
ATOM	368	C	PRO	64	83.669	69.750	81.004	1.00	18.03
ATOM	369	O	PRO	64	82.466	69.859	80.819	1.00	18.92
ATOM	370	N	LEU	65	84.220	69.984	82.181	1.00	17.42
ATOM	371	CA	LEU	65	83.388	70.281	83.331	1.00	17.61
ATOM	372	CB	LEU	65	83.877	69.442	84.518	1.00	16.50
ATOM	373	CG	LEU	65	84.124	67.954	84.216	1.00	11.41
ATOM	374	CD1	LEU	65	84.753	67.288	85.403	1.00	10.97
ATOM	375	CD2	LEU	65	82.840	67.245	83.834	1.00	9.50
ATOM	376	C	LEU	65	83.326	71.769	83.679	1.00	18.70
ATOM	377	O	LEU	65	84.331	72.472	83.605	1.00	19.19
ATOM	378	N	VAL	66	82.145	72.234	84.081	1.00	16.36
ATOM	379	CA	VAL	66	81.926	73.638	84.429	1.00	15.28
ATOM	380	CB	VAL	66	81.328	74.418	83.206	1.00	14.14
ATOM	381	CG1	VAL	66	81.133	75.878	83.547	1.00	13.24
ATOM	382	CG2	VAL	66	82.221	74.291	81.985	1.00	12.95
ATOM	383	C	VAL	66	80.927	73.740	85.595	1.00	14.30
ATOM	384	O	VAL	66	79.938	73.018	85.624	1.00	15.07
ATOM	385	N	SER	67	81.189	74.605	86.569	1.00	13.41
ATOM	386	CA	SER	67	80.262	74.767	87.683	1.00	13.36
ATOM	387	CB	SER	67	80.995	75.037	88.999	1.00	10.98
ATOM	388	OG	SER	67	81.834	76.166	88.910	1.00	14.86
ATOM	389	C	SER	67	79.322	75.909	87.330	1.00	14.70
ATOM	390	O	SER	67	79.742	76.930	86.783	1.00	15.74
ATOM	391	N	SER	68	78.041	75.718	87.610	1.00	15.87
ATOM	392	CA	SER	68	77.022	76.706	87.293	1.00	16.05
ATOM	393	CB	SER	68	75.639	76.067	87.443	1.00	18.67
ATOM	394	OG	SER	68	74.602	77.004	87.194	1.00	21.96
ATOM	395	C	SER	68	77.080	77.993	88.106	1.00	16.26
ATOM	396	O	SER	68	77.445	77.995	89.283	1.00	16.76
ATOM	397	N	PRO	69	76.699	79.116	87.483	1.00	16.03
ATOM	398	CD	PRO	69	76.396	79.279	86.052	1.00	15.90
ATOM	399	CA	PRO	69	76.699	80.411	88.169	1.00	15.65
ATOM	400	CB	PRO	69	76.592	81.414	87.014	1.00	15.49
ATOM	401	CG	PRO	69	76.975	80.626	85.778	1.00	17.02
ATOM	402	C	PRO	69	75.445	80.475	89.063	1.00	16.27
ATOM	403	O	PRO	69	74.384	80.927	88.625	1.00	13.16
ATOM	404	N	MET	70	75.553	79.981	90.295	1.00	17.24
ATOM	405	CA	MET	70	74.423	79.975	91.215	1.00	18.66
ATOM	406	CB	MET	70	73.724	78.611	91.180	1.00	20.15
ATOM	407	CG	MET	70	73.116	78.255	89.831	1.00	20.32
ATOM	408	SD	MET	70	72.490	76.578	89.729	1.00	18.83
ATOM	409	CE	MET	70	70.886	76.796	90.447	1.00	22.16
ATOM	410	C	MET	70	74.868	80.270	92.633	1.00	19.79

APPROVED	O. G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

FIG. 1A-8

ATOM	411	O	MET	70	75.992	79.965	93.004	1.00	20.13
ATOM	412	N	ASP	71	73.958	80.827	93.427	1.00	23.75
ATOM	413	CA	ASP	71	74.194	81.184	94.832	1.00	24.77
ATOM	414	CB	ASP	71	72.863	81.499	95.539	1.00	29.35
ATOM	415	CG	ASP	71	72.367	82.882	95.265	1.00	38.41
ATOM	416	OD1	ASP	71	73.156	83.834	95.406	1.00	47.71
ATOM	417	OD2	ASP	71	71.177	83.021	94.930	1.00	44.52
ATOM	418	C	ASP	71	74.842	80.080	95.643	1.00	22.82
ATOM	419	O	ASP	71	75.774	80.331	96.404	1.00	23.85
ATOM	420	N	THR	72	74.293	78.875	95.508	1.00	19.87
ATOM	421	CA	THR	72	74.746	77.713	96.258	1.00	17.82
ATOM	422	CB	THR	72	73.531	76.878	96.711	1.00	14.30
ATOM	423	OG1	THR	72	72.808	76.423	95.562	1.00	13.27
ATOM	424	CG2	THR	72	72.608	77.713	97.557	1.00	12.15
ATOM	425	C	THR	72	75.725	76.792	95.534	1.00	17.18
ATOM	426	O	THR	72	75.864	75.623	95.898	1.00	18.53
ATOM	427	N	VAL	73	76.394	77.291	94.504	1.00	14.78
ATOM	428	CA	VAL	73	77.317	76.440	93.786	1.00	13.05
ATOM	429	CB	VAL	73	76.773	76.032	92.388	1.00	10.97
ATOM	430	CG1	VAL	73	77.717	75.035	91.741	1.00	9.58
ATOM	431	CG2	VAL	73	75.365	75.434	92.482	1.00	8.96
ATOM	432	C	VAL	73	78.661	77.111	93.589	1.00	16.49
ATOM	433	O	VAL	73	79.675	76.677	94.160	1.00	15.55
ATOM	434	N	THR	74	78.650	78.223	92.860	1.00	17.15
ATOM	435	CA	THR	74	79.894	78.896	92.539	1.00	18.39
ATOM	436	CB	THR	74	80.096	78.965	91.011	1.00	17.98
ATOM	437	OG1	THR	74	79.847	77.675	90.436	1.00	24.62
ATOM	438	CG2	THR	74	81.531	79.368	90.675	1.00	19.70
ATOM	439	C	THR	74	80.253	80.257	93.116	1.00	18.82
ATOM	440	O	THR	74	79.606	81.274	92.847	1.00	20.11
ATOM	441	N	GLU	75	81.354	80.247	93.854	1.00	18.87
ATOM	442	CA	GLU	75	81.969	81.425	94.439	1.00	18.61
ATOM	443	CB	GLU	75	81.534	81.645	95.886	1.00	14.35
ATOM	444	CG	GLU	75	80.255	82.451	95.967	1.00	15.80
ATOM	445	CD	GLU	75	79.843	82.834	97.379	1.00	21.75
ATOM	446	OE1	GLU	75	80.413	82.310	98.363	1.00	26.31
ATOM	447	OE2	GLU	75	78.917	83.664	97.505	1.00	20.92
ATOM	448	C	GLU	75	83.469	81.131	94.301	1.00	19.83
ATOM	449	O	GLU	75	83.847	80.171	93.619	1.00	19.89
ATOM	450	N	ALA	76	84.326	81.934	94.919	1.00	20.57
ATOM	451	CA	ALA	76	85.762	81.724	94.787	1.00	18.25
ATOM	452	CB	ALA	76	86.517	82.637	95.713	1.00	22.39
ATOM	453	C	ALA	76	86.178	80.278	95.008	1.00	17.57
ATOM	454	O	ALA	76	86.733	79.652	94.110	1.00	18.52
ATOM	455	N	GLY	77	85.845	79.739	96.177	1.00	16.64
ATOM	456	CA	GLY	77	86.203	78.372	96.513	1.00	16.11
ATOM	457	C	GLY	77	85.960	77.364	95.406	1.00	18.32
ATOM	458	O	GLY	77	86.870	76.624	95.036	1.00	20.06
ATOM	459	N	MET	78	84.744	77.345	94.866	1.00	19.25
ATOM	460	CA	MET	78	84.381	76.420	93.797	1.00	17.27
ATOM	461	CB	MET	78	82.878	76.495	93.501	1.00	14.83
ATOM	462	CG	MET	78	82.379	75.543	92.416	1.00	9.04
ATOM	463	SD	MET	78	82.630	73.797	92.794	1.00	9.74
ATOM	464	CE	MET	78	81.306	73.505	93.947	1.00	4.67
ATOM	465	C	MET	78	85.174	76.725	92.539	1.00	18.93
ATOM	466	O	MET	78	85.817	75.835	91.985	1.00	20.73
ATOM	467	N	ALA	79	85.173	77.990	92.122	1.00	19.92
ATOM	468	CA	ALA	79	85.890	78.412	90.916	1.00	18.97
ATOM	469	CB	ALA	79	85.761	79.919	90.715	1.00	17.50

APPROVED	O. G. FIG.	
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Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed October 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney : James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 9/118

FIG. 1A-9

ATOM	470	C	ALA	79	87.357	78.002	90.955	1.00	19.41
ATOM	471	O	ALA	79	87.912	77.573	89.949	1.00	21.40
ATOM	472	N	ILE	80	87.977	78.106	92.125	1.00	20.17
ATOM	473	CA	ILE	80	89.383	77.739	92.281	1.00	20.16
ATOM	474	CB	ILE	80	89.964	78.235	93.641	1.00	18.57
ATOM	475	CG2	ILE	80	91.349	77.658	93.885	1.00	16.92
ATOM	476	CG1	ILE	80	90.034	79.758	93.662	1.00	19.76
ATOM	477	CD1	ILE	80	90.403	80.338	95.011	1.00	22.90
ATOM	478	C	ILE	80	89.547	76.228	92.188	1.00	19.90
ATOM	479	O	ILE	80	90.330	75.740	91.381	1.00	19.26
ATOM	480	N	ALA	81	88.773	75.496	92.984	1.00	20.78
ATOM	481	CA	ALA	81	88.850	74.038	93.014	1.00	21.41
ATOM	482	CB	ALA	81	87.876	73.479	94.027	1.00	22.18
ATOM	483	C	ALA	81	88.586	73.439	91.653	1.00	22.24
ATOM	484	O	ALA	81	89.308	72.544	91.210	1.00	25.18
ATOM	485	N	MET	82	87.576	73.971	90.977	1.00	21.26
ATOM	486	CA	MET	82	87.187	73.506	89.653	1.00	20.10
ATOM	487	CB	MET	82	85.905	74.220	89.215	1.00	20.89
ATOM	488	CG	MET	82	85.096	73.499	88.147	1.00	22.31
ATOM	489	SD	MET	82	84.241	72.058	88.768	1.00	17.73
ATOM	490	CE	MET	82	83.598	72.738	90.224	1.00	16.02
ATOM	491	C	MET	82	88.307	73.740	88.628	1.00	18.83
ATOM	492	O	MET	82	88.535	72.905	87.754	1.00	19.46
ATOM	493	N	ALA	83	88.992	74.877	88.723	1.00	18.24
ATOM	494	CA	ALA	83	90.082	75.184	87.801	1.00	17.87
ATOM	495	CB	ALA	83	90.501	76.642	87.925	1.00	13.75
ATOM	496	C	ALA	83	91.267	74.269	88.072	1.00	18.76
ATOM	497	O	ALA	83	91.869	73.732	87.143	1.00	18.19
ATOM	498	N	LEU	84	91.568	74.060	89.352	1.00	19.47
ATOM	499	CA	LEU	84	92.687	73.213	89.754	1.00	19.62
ATOM	500	CB	LEU	84	92.864	73.216	91.282	1.00	17.06
ATOM	501	CG	LEU	84	93.341	74.485	92.011	1.00	14.41
ATOM	502	CD1	LEU	84	93.302	74.256	93.508	1.00	9.31
ATOM	503	CD2	LEU	84	94.742	74.893	91.579	1.00	10.69
ATOM	504	C	LEU	84	92.518	71.778	89.268	1.00	22.34
ATOM	505	O	LEU	84	93.503	71.089	88.986	1.00	24.52
ATOM	506	N	THR	85	91.276	71.321	89.160	1.00	22.85
ATOM	507	CA	THR	85	91.030	69.954	88.734	1.00	19.74
ATOM	508	CB	THR	85	89.824	69.343	89.481	1.00	17.66
ATOM	509	OG1	THR	85	88.669	70.165	89.301	1.00	16.20
ATOM	510	CG2	THR	85	90.137	69.242	90.962	1.00	13.32
ATOM	511	C	THR	85	90.927	69.748	87.232	1.00	19.88
ATOM	512	O	THR	85	90.970	68.612	86.758	1.00	23.55
ATOM	513	N	GLY	86	90.816	70.830	86.473	1.00	18.94
ATOM	514	CA	GLY	86	90.744	70.689	85.030	1.00	16.63
ATOM	515	C	GLY	86	89.580	71.388	84.362	1.00	18.45
ATOM	516	O	GLY	86	89.538	71.457	83.129	1.00	21.10
ATOM	517	N	GLY	87	88.615	71.852	85.151	1.00	16.36
ATOM	518	CA	GLY	87	87.462	72.534	84.596	1.00	13.99
ATOM	519	C	GLY	87	87.530	74.029	84.820	1.00	14.34
ATOM	520	O	GLY	87	88.616	74.606	84.784	1.00	16.64
ATOM	521	N	ILE	88	86.381	74.659	85.051	1.00	13.64
ATOM	522	CA	ILE	88	86.315	76.097	85.292	1.00	14.14
ATOM	523	CB	ILE	88	86.337	76.910	83.957	1.00	13.53
ATOM	524	CG2	ILE	88	85.019	76.758	83.207	1.00	13.51
ATOM	525	CG1	ILE	88	86.596	78.398	84.233	1.00	12.85
ATOM	526	CD1	ILE	88	86.774	79.248	82.974	1.00	7.87
ATOM	527	C	ILE	88	85.033	76.404	86.062	1.00	16.48
ATOM	528	O	ILE	88	84.130	75.564	86.142	1.00	18.54

APPROVED	O.G. FIG.	
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 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 10/118

FIG. 1A-10

ATOM	529	N	GLY	89	84.962	77.591	86.652	1.00	15.46
ATOM	530	CA	GLY	89	83.775	77.965	87.389	1.00	14.33
ATOM	531	C	GLY	89	83.293	79.336	86.965	1.00	15.78
ATOM	532	O	GLY	89	84.073	80.128	86.430	1.00	16.51
ATOM	533	N	PHE	90	81.997	79.584	87.145	1.00	15.87
ATOM	534	CA	PHE	90	81.370	80.858	86.820	1.00	13.02
ATOM	535	CB	PHE	90	80.302	80.671	85.748	1.00	10.44
ATOM	536	CG	PHE	90	80.849	80.519	84.366	1.00	7.78
ATOM	537	CD1	PHE	90	81.236	79.271	83.889	1.00	7.49
ATOM	538	CD2	PHE	90	81.002	81.627	83.543	1.00	2.32
ATOM	539	CE1	PHE	90	81.765	79.133	82.608	1.00	2.11
ATOM	540	CE2	PHE	90	81.529	81.492	82.264	1.00	2.00
ATOM	541	CZ	PHE	90	81.911	80.244	81.803	1.00	2.00
ATOM	542	C	PHE	90	80.734	81.412	88.092	1.00	14.14
ATOM	543	O	PHE	90	79.793	80.824	88.630	1.00	16.10
ATOM	544	N	ILE	91	81.259	82.530	88.586	1.00	14.53
ATOM	545	CA	ILE	91	80.740	83.147	89.810	1.00	12.62
ATOM	546	CB	ILE	91	81.640	84.310	90.299	1.00	10.72
ATOM	547	CG2	ILE	91	81.243	84.711	91.712	1.00	9.90
ATOM	548	CG1	ILE	91	83.123	83.921	90.241	1.00	11.39
ATOM	549	CD1	ILE	91	83.527	82.815	91.181	1.00	13.02
ATOM	550	C	ILE	91	79.343	83.704	89.556	1.00	12.28
ATOM	551	O	ILE	91	79.072	84.264	88.494	1.00	13.30
ATOM	552	N	HIS	92	78.458	83.546	90.531	1.00	13.70
ATOM	553	CA	HIS	92	77.093	84.044	90.407	1.00	13.81
ATOM	554	CB	HIS	92	76.191	83.431	91.488	1.00	13.49
ATOM	555	CG	HIS	92	76.413	83.993	92.859	1.00	11.95
ATOM	556	CD2	HIS	92	75.949	85.118	93.448	1.00	10.24
ATOM	557	ND1	HIS	92	77.183	83.358	93.808	1.00	16.02
ATOM	558	CE1	HIS	92	77.183	84.063	94.924	1.00	12.53
ATOM	559	NE2	HIS	92	76.442	85.137	94.731	1.00	14.71
ATOM	560	C	HIS	92	77.088	85.567	90.527	1.00	13.18
ATOM	561	O	HIS	92	78.006	86.150	91.087	1.00	13.75
ATOM	562	N	HIS	93	76.043	86.205	90.020	1.00	13.84
ATOM	563	CA	HIS	93	75.943	87.653	90.095	1.00	14.71
ATOM	564	CB	HIS	93	75.788	88.276	88.705	1.00	17.81
ATOM	565	CG	HIS	93	74.533	87.885	87.985	1.00	23.00
ATOM	566	CD2	HIS	93	74.158	86.718	87.411	1.00	27.41
ATOM	567	ND1	HIS	93	73.509	88.776	87.749	1.00	25.59
ATOM	568	CE1	HIS	93	72.559	88.175	87.055	1.00	27.85
ATOM	569	NE2	HIS	93	72.926	86.926	86.836	1.00	24.93
ATOM	570	C	HIS	93	74.831	88.105	91.025	1.00	14.74
ATOM	571	O	HIS	93	74.359	89.228	90.945	1.00	15.99
ATOM	572	N	ASN	94	74.381	87.201	91.885	1.00	17.54
ATOM	573	CA	ASN	94	73.340	87.516	92.860	1.00	18.66
ATOM	574	CB	ASN	94	72.566	86.249	93.225	1.00	20.67
ATOM	575	CG	ASN	94	71.413	86.516	94.175	1.00	22.98
ATOM	576	OD1	ASN	94	71.278	85.849	95.199	1.00	27.48
ATOM	577	ND2	ASN	94	70.552	87.456	93.819	1.00	19.79
ATOM	578	C	ASN	94	74.056	88.067	94.088	1.00	19.98
ATOM	579	O	ASN	94	73.932	87.526	95.189	1.00	19.74
ATOM	580	N	CYS	95	74.852	89.113	93.863	1.00	19.29
ATOM	581	CA	CYS	95	75.637	89.783	94.896	1.00	20.12
ATOM	582	CB	CYS	95	76.902	88.986	95.182	1.00	20.79
ATOM	583	SG	CYS	95	77.831	88.599	93.694	1.00	23.06
ATOM	584	C	CYS	95	76.014	91.152	94.343	1.00	22.11
ATOM	585	O	CYS	95	75.616	91.490	93.228	1.00	24.36
ATOM	586	N	THR	96	76.745	91.954	95.115	1.00	21.65
ATOM	587	CA	THR	96	77.145	93.277	94.639	1.00	22.63

APPROVED	O. G. FIG.	
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FIG. 1A-11

ATOM	588	CB	THR	96	77.634	94.193	95.778	1.00	24.51
ATOM	589	OG1	THR	96	78.672	93.540	96.520	1.00	29.99
ATOM	590	CG2	THR	96	76.494	94.560	96.709	1.00	27.18
ATOM	591	C	THR	96	78.271	93.155	93.628	1.00	22.82
ATOM	592	O	THR	96	79.039	92.191	93.654	1.00	23.49
ATOM	593	N	PRO	97	78.378	94.128	92.710	1.00	23.91
ATOM	594	CD	PRO	97	77.427	95.220	92.438	1.00	23.87
ATOM	595	CA	PRO	97	79.440	94.099	91.702	1.00	23.66
ATOM	596	CB	PRO	97	79.250	95.433	90.989	1.00	22.66
ATOM	597	CG	PRO	97	77.769	95.597	91.009	1.00	22.97
ATOM	598	C	PRO	97	80.798	94.013	92.391	1.00	25.33
ATOM	599	O	PRO	97	81.704	93.328	91.914	1.00	25.86
ATOM	600	N	GLU	98	80.906	94.687	93.536	1.00	26.55
ATOM	601	CA	GLU	98	82.126	94.703	94.344	1.00	28.76
ATOM	602	CB	GLU	98	81.952	95.621	95.564	1.00	29.88
ATOM	603	CG	GLU	98	81.732	97.096	95.255	1.00	38.55
ATOM	604	CD	GLU	98	80.297	97.439	94.870	1.00	41.59
ATOM	605	OE1	GLU	98	79.373	97.094	95.641	1.00	39.58
ATOM	606	OE2	GLU	98	80.100	98.084	93.811	1.00	43.89
ATOM	607	C	GLU	98	82.469	93.288	94.835	1.00	30.16
ATOM	608	O	GLU	98	83.596	92.795	94.653	1.00	31.09
ATOM	609	N	PHE	99	81.478	92.645	95.449	1.00	28.04
ATOM	610	CA	PHE	99	81.619	91.302	95.989	1.00	24.81
ATOM	611	CB	PHE	99	80.301	90.871	96.619	1.00	23.36
ATOM	612	CG	PHE	99	80.334	89.502	97.235	1.00	24.63
ATOM	613	CD1	PHE	99	80.695	89.335	98.563	1.00	26.18
ATOM	614	CD2	PHE	99	79.951	88.384	96.502	1.00	21.79
ATOM	615	CE1	PHE	99	80.668	88.075	99.159	1.00	26.07
ATOM	616	CE2	PHE	99	79.922	87.132	97.088	1.00	20.62
ATOM	617	CZ	PHE	99	80.282	86.975	98.422	1.00	22.53
ATOM	618	C	PHE	99	82.004	90.322	94.905	1.00	23.00
ATOM	619	O	PHE	99	82.969	89.577	95.052	1.00	23.86
ATOM	620	N	GLN	100	81.249	90.336	93.813	1.00	21.74
ATOM	621	CA	GLN	100	81.495	89.437	92.698	1.00	22.80
ATOM	622	CB	GLN	100	80.488	89.671	91.581	1.00	22.40
ATOM	623	CG	GLN	100	80.388	88.486	90.646	1.00	22.81
ATOM	624	CD	GLN	100	79.585	88.781	89.417	1.00	21.83
ATOM	625	OE1	GLN	100	79.391	89.941	89.051	1.00	25.98
ATOM	626	NE2	GLN	100	79.120	87.739	88.758	1.00	19.59
ATOM	627	C	GLN	100	82.900	89.608	92.154	1.00	23.30
ATOM	628	O	GLN	100	83.625	88.626	91.951	1.00	23.42
ATOM	629	N	ALA	101	83.281	90.859	91.920	1.00	24.22
ATOM	630	CA	ALA	101	84.609	91.177	91.413	1.00	22.74
ATOM	631	CB	ALA	101	84.725	92.669	91.159	1.00	21.49
ATOM	632	C	ALA	101	85.689	90.706	92.395	1.00	22.04
ATOM	633	O	ALA	101	86.759	90.265	91.982	1.00	20.44
ATOM	634	N	ASN	102	85.399	90.769	93.691	1.00	22.30
ATOM	635	CA	ASN	102	86.366	90.324	94.687	1.00	23.36
ATOM	636	CB	ASN	102	85.939	90.714	96.101	1.00	24.55
ATOM	637	CG	ASN	102	86.996	90.378	97.142	1.00	27.11
ATOM	638	OD1	ASN	102	88.152	90.789	97.028	1.00	29.62
ATOM	639	ND2	ASN	102	86.602	89.629	98.165	1.00	27.00
ATOM	640	C	ASN	102	86.511	88.817	94.594	1.00	25.46
ATOM	641	O	ASN	102	87.604	88.277	94.797	1.00	28.34
ATOM	642	N	GLU	103	85.408	88.134	94.294	1.00	25.42
ATOM	643	CA	GLU	103	85.429	86.682	94.153	1.00	21.99
ATOM	644	CB	GLU	103	84.009	86.126	94.011	1.00	22.69
ATOM	645	CG	GLU	103	83.157	86.237	95.263	1.00	21.23
ATOM	646	CD	GLU	103	83.850	85.685	96.492	1.00	22.96

APPROVED	O.G. FIG.	
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FIG. 1A-12

ATOM	647	OE1	GLU	103	83.874	84.451	96.667	1.00	17.62
ATOM	648	OE2	GLU	103	84.382	86.493	97.281	1.00	29.03
ATOM	649	C	GLU	103	86.278	86.304	92.940	1.00	20.97
ATOM	650	O	GLU	103	86.985	85.299	92.966	1.00	22.40
ATOM	651	N	VAL	104	86.217	87.116	91.887	1.00	18.20
ATOM	652	CA	VAL	104	87.017	86.873	90.683	1.00	18.88
ATOM	653	CB	VAL	104	86.620	87.824	89.521	1.00	17.86
ATOM	654	CG1	VAL	104	87.427	87.506	88.255	1.00	16.68
ATOM	655	CG2	VAL	104	85.138	87.722	89.245	1.00	17.68
ATOM	656	C	VAL	104	88.493	87.104	91.019	1.00	19.92
ATOM	657	O	VAL	104	89.355	86.302	90.666	1.00	21.70
ATOM	658	N	ARG	105	88.764	88.189	91.737	1.00	21.51
ATOM	659	CA	ARG	105	90.111	88.557	92.142	1.00	20.02
ATOM	660	CB	ARG	105	90.067	89.879	92.889	1.00	22.18
ATOM	661	CG	ARG	105	91.415	90.495	93.190	1.00	23.09
ATOM	662	CD	ARG	105	91.260	91.639	94.184	1.00	25.23
ATOM	663	NE	ARG	105	90.729	91.185	95.470	1.00	26.67
ATOM	664	CZ	ARG	105	91.421	90.471	96.356	1.00	25.55
ATOM	665	NH1	ARG	105	92.678	90.128	96.101	1.00	23.83
ATOM	666	NH2	ARG	105	90.854	90.091	97.494	1.00	24.03
ATOM	667	C	ARG	105	90.750	87.485	93.016	1.00	21.25
ATOM	668	O	ARG	105	91.927	87.173	92.846	1.00	23.00
ATOM	669	N	LYS	106	89.991	86.934	93.961	1.00	21.27
ATOM	670	CA	LYS	106	90.511	85.879	94.837	1.00	23.38
ATOM	671	CB	LYS	106	89.429	85.363	95.789	1.00	25.15
ATOM	672	CG	LYS	106	89.012	86.317	96.883	1.00	26.05
ATOM	673	CD	LYS	106	87.917	85.692	97.720	1.00	24.75
ATOM	674	CE	LYS	106	87.424	86.662	98.761	1.00	29.64
ATOM	675	NZ	LYS	106	86.273	86.122	99.528	1.00	31.16
ATOM	676	C	LYS	106	90.988	84.705	93.992	1.00	25.07
ATOM	677	O	LYS	106	92.099	84.199	94.174	1.00	25.83
ATOM	678	N	VAL	107	90.119	84.269	93.084	1.00	25.62
ATOM	679	CA	VAL	107	90.411	83.156	92.193	1.00	26.60
ATOM	680	CB	VAL	107	89.172	82.815	91.313	1.00	29.16
ATOM	681	CG1	VAL	107	89.529	81.801	90.242	1.00	34.41
ATOM	682	CG2	VAL	107	88.066	82.255	92.175	1.00	28.28
ATOM	683	C	VAL	107	91.622	83.488	91.323	1.00	26.84
ATOM	684	O	VAL	107	92.581	82.713	91.272	1.00	27.67
ATOM	685	N	LYS	108	91.602	84.662	90.694	1.00	25.49
ATOM	686	CA	LYS	108	92.704	85.083	89.838	1.00	24.82
ATOM	687	CB	LYS	108	92.386	86.418	89.155	1.00	22.18
ATOM	688	CG	LYS	108	91.232	86.364	88.163	1.00	17.36
ATOM	689	CD	LYS	108	91.391	85.228	87.161	1.00	13.78
ATOM	690	CE	LYS	108	92.605	85.400	86.276	1.00	12.98
ATOM	691	NZ	LYS	108	92.735	84.290	85.287	1.00	13.57
ATOM	692	C	LYS	108	94.057	85.164	90.558	1.00	24.98
ATOM	693	O	LYS	108	95.087	84.792	89.998	1.00	24.14
ATOM	694	N	LYS	109	94.053	85.621	91.804	1.00	27.11
ATOM	695	CA	LYS	109	95.284	85.746	92.579	1.00	28.48
ATOM	696	CB	LYS	109	95.200	86.933	93.541	1.00	29.75
ATOM	697	CG	LYS	109	95.849	88.195	93.020	1.00	31.35
ATOM	698	CD	LYS	109	95.139	88.710	91.789	1.00	35.15
ATOM	699	CE	LYS	109	95.870	89.897	91.196	1.00	40.43
ATOM	700	NZ	LYS	109	97.184	89.511	90.621	1.00	41.81
ATOM	701	C	LYS	109	95.651	84.503	93.369	1.00	29.07
ATOM	702	O	LYS	109	96.618	84.520	94.123	1.00	33.10
ATOM	703	N	TYR	110	94.891	83.430	93.219	1.00	29.29
ATOM	704	CA	TYR	110	95.195	82.212	93.956	1.00	29.26
ATOM	705	CB	TYR	110	94.086	81.186	93.770	1.00	23.08

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed October 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 13/118



FIG. 1A-13

ATOM	706	CG	TYR	110	94.334	79.910	94.521	1.00	18.23
ATOM	707	CD1	TYR	110	94.840	78.788	93.873	1.00	16.87
ATOM	708	CE1	TYR	110	95.064	77.606	94.563	1.00	20.13
ATOM	709	CD2	TYR	110	94.058	79.822	95.884	1.00	16.67
ATOM	710	CE2	TYR	110	94.278	78.647	96.586	1.00	15.96
ATOM	711	CZ	TYR	110	94.780	77.541	95.919	1.00	20.03
ATOM	712	OH	TYR	110	94.994	76.366	96.605	1.00	24.77
ATOM	713	C	TYR	110	96.541	81.605	93.551	1.00	31.47
ATOM	714	O	TYR	110	97.252	81.042	94.381	1.00	30.19
ATOM	715	N	GLU	111	96.865	81.693	92.268	1.00	33.91
ATOM	716	CA	GLU	111	98.120	81.158	91.757	1.00	36.77
ATOM	717	CB	GLU	111	97.881	79.801	91.087	1.00	39.21
ATOM	718	CG	GLU	111	99.153	79.035	90.772	1.00	40.47
ATOM	719	CD	GLU	111	98.894	77.697	90.115	1.00	40.03
ATOM	720	OE1	GLU	111	97.978	76.970	90.552	1.00	36.17
ATOM	721	OE2	GLU	111	99.623	77.367	89.160	1.00	47.17
ATOM	722	C	GLU	111	98.627	82.177	90.746	1.00	37.77
ATOM	723	O	GLU	111	97.867	82.622	89.886	1.00	36.85
ATOM	724	N	GLN	112	99.901	82.546	90.847	1.00	39.85
ATOM	725	CA	GLN	112	100.455	83.557	89.947	1.00	43.24
ATOM	726	CB	GLN	112	100.630	84.872	90.709	1.00	44.65
ATOM	727	CG	GLN	112	99.351	85.463	91.255	1.00	45.65
ATOM	728	CD	GLN	112	99.615	86.631	92.169	1.00	48.62
ATOM	729	OE1	GLN	112	100.161	87.656	91.749	1.00	51.83
ATOM	730	NE2	GLN	112	99.243	86.484	93.433	1.00	48.44
ATOM	731	C	GLN	112	101.768	83.239	89.236	1.00	43.51
ATOM	732	O	GLN	112	101.930	83.530	88.048	1.00	43.39
ATOM	733	N	GLY	113	102.727	82.694	89.972	1.00	43.98
ATOM	734	CA	GLY	113	104.016	82.417	89.370	1.00	46.07
ATOM	735	C	GLY	113	104.873	83.672	89.450	1.00	45.94
ATOM	736	O	GLY	113	105.211	84.114	90.551	1.00	44.69
ATOM	737	N	PHE	114	105.178	84.274	88.303	1.00	46.93
ATOM	738	CA	PHE	114	106.012	85.476	88.258	1.00	49.84
ATOM	739	CB	PHE	114	106.576	85.697	86.848	1.00	49.51
ATOM	740	CG	PHE	114	107.780	84.853	86.538	1.00	53.18
ATOM	741	CD1	PHE	114	109.002	85.113	87.147	1.00	54.85
ATOM	742	CD2	PHE	114	107.690	83.786	85.653	1.00	55.88
ATOM	743	CE1	PHE	114	110.116	84.320	86.883	1.00	54.76
ATOM	744	CE2	PHE	114	108.801	82.986	85.383	1.00	57.03
ATOM	745	CZ	PHE	114	110.017	83.256	86.002	1.00	56.60
ATOM	746	C	PHE	114	105.284	86.729	88.714	1.00	52.11
ATOM	747	O	PHE	114	104.750	87.471	87.889	1.00	54.09
ATOM	748	N	ILE	115	105.289	86.986	90.018	1.00	53.71
ATOM	749	CA	ILE	115	104.613	88.163	90.559	1.00	55.83
ATOM	750	CB	ILE	115	104.342	88.018	92.092	1.00	56.93
ATOM	751	CG2	ILE	115	103.879	86.587	92.409	1.00	54.73
ATOM	752	CG1	ILE	115	105.595	88.326	92.919	1.00	58.54
ATOM	753	CD1	ILE	115	105.376	88.251	94.423	1.00	58.29
ATOM	754	C	ILE	115	105.429	89.418	90.237	1.00	56.92
ATOM	755	O	ILE	115	106.630	89.476	90.516	1.00	57.36
ATOM	756	N	THR	116	104.788	90.399	89.605	1.00	58.66
ATOM	757	CA	THR	116	105.474	91.633	89.222	1.00	61.25
ATOM	758	CB	THR	116	105.077	92.065	87.797	1.00	60.84
ATOM	759	OG1	THR	116	105.221	90.952	86.908	1.00	59.09
ATOM	760	CG2	THR	116	105.966	93.213	87.312	1.00	62.79
ATOM	761	C	THR	116	105.304	92.822	90.171	1.00	62.74
ATOM	762	O	THR	116	106.278	93.470	90.538	1.00	62.00
ATOM	763	N	ASP	117	104.067	93.118	90.553	1.00	65.44
ATOM	764	CA	ASP	117	103.803	94.241	91.448	1.00	68.28

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1A-14

ATOM	765	CB	ASP	117	102.351	94.209	91.959	1.00	70.75
ATOM	766	CG	ASP	117	101.990	92.899	92.650	1.00	73.11
ATOM	767	OD1	ASP	117	102.166	92.805	93.884	1.00	74.55
ATOM	768	OD2	ASP	117	101.512	91.970	91.961	1.00	74.48
ATOM	769	C	ASP	117	104.789	94.296	92.614	1.00	68.68
ATOM	770	O	ASP	117	105.478	95.303	92.819	1.00	69.52
ATOM	771	N	ALA	118	104.909	93.187	93.333	1.00	68.01
ATOM	772	CA	ALA	118	105.812	93.131	94.466	1.00	67.77
ATOM	773	CB	ALA	118	105.317	92.112	95.483	1.00	65.37
ATOM	774	C	ALA	118	107.224	92.790	94.003	1.00	68.47
ATOM	775	O	ALA	118	107.904	91.980	94.640	1.00	70.14
ATOM	776	N	ALA	119	107.681	93.441	92.933	1.00	67.63
ATOM	777	CA	ALA	119	109.021	93.204	92.399	1.00	65.42
ATOM	778	CB	ALA	119	109.170	91.741	92.014	1.00	66.53
ATOM	779	C	ALA	119	109.392	94.098	91.210	1.00	64.47
ATOM	780	O	ALA	119	109.417	93.639	90.065	1.00	64.14
ATOM	781	N	ALA	120	109.706	95.360	91.489	1.00	63.47
ATOM	782	CA	ALA	120	110.098	96.316	90.452	1.00	62.64
ATOM	783	CB	ALA	120	109.071	96.341	89.320	1.00	62.95
ATOM	784	C	ALA	120	110.260	97.714	91.040	1.00	62.70
ATOM	785	O	ALA	120	111.374	98.267	90.938	1.00	61.41
ATOM	786	CB	ALA	125	109.000	94.859	98.198	1.00	153.76
ATOM	787	C	ALA	125	109.160	95.344	95.747	1.00	153.51
ATOM	788	O	ALA	125	109.902	94.992	94.829	1.00	153.54
ATOM	789	N	ALA	125	109.423	93.056	96.557	1.00	154.27
ATOM	790	CA	ALA	125	108.704	94.339	96.796	1.00	153.73
ATOM	791	N	ALA	126	108.691	96.581	95.860	1.00	153.23
ATOM	792	CA	ALA	126	109.075	97.621	94.916	1.00	153.16
ATOM	793	CB	ALA	126	108.212	98.860	95.121	1.00	153.36
ATOM	794	C	ALA	126	110.549	97.962	95.120	1.00	153.01
ATOM	795	O	ALA	126	111.079	97.803	96.222	1.00	153.16
ATOM	796	N	ALA	127	111.212	98.384	94.048	1.00	152.83
ATOM	797	CA	ALA	127	112.621	98.754	94.114	1.00	152.63
ATOM	798	CB	ALA	127	113.447	97.885	93.169	1.00	152.13
ATOM	799	C	ALA	127	112.758	100.234	93.758	1.00	152.39
ATOM	800	O	ALA	127	112.812	101.083	94.650	1.00	152.11
ATOM	801	N	ALA	128	112.772	100.532	92.459	1.00	152.16
ATOM	802	CA	ALA	128	112.884	101.901	91.953	1.00	151.90
ATOM	803	CB	ALA	128	111.505	102.561	91.919	1.00	151.79
ATOM	804	C	ALA	128	113.871	102.776	92.727	1.00	151.56
ATOM	805	O	ALA	128	115.058	102.392	92.783	1.00	151.27
ATOM	806	CB	ALA	131	115.610	90.226	103.503	1.00	85.15
ATOM	807	C	ALA	131	116.950	91.870	102.162	1.00	82.41
ATOM	808	O	ALA	131	117.960	92.557	102.293	1.00	82.59
ATOM	809	N	ALA	131	114.753	92.513	103.126	1.00	84.45
ATOM	810	CA	ALA	131	115.979	91.696	103.329	1.00	83.91
ATOM	811	N	ALA	132	116.601	91.294	101.015	1.00	81.04
ATOM	812	CA	ALA	132	117.423	91.354	99.810	1.00	80.28
ATOM	813	CB	ALA	132	116.642	90.807	98.627	1.00	80.36
ATOM	814	C	ALA	132	117.962	92.740	99.476	1.00	80.39
ATOM	815	O	ALA	132	117.357	93.757	99.820	1.00	80.20
ATOM	816	N	ALA	133	119.116	92.771	98.819	1.00	80.93
ATOM	817	CA	ALA	133	119.746	94.022	98.414	1.00	81.53
ATOM	818	CB	ALA	133	121.079	94.193	99.123	1.00	80.70
ATOM	819	C	ALA	133	119.942	94.038	96.902	1.00	82.58
ATOM	820	O	ALA	133	121.026	94.358	96.414	1.00	82.75
ATOM	821	N	ALA	134	118.887	93.681	96.173	1.00	83.81
ATOM	822	CA	ALA	134	118.921	93.629	94.711	1.00	83.39
ATOM	823	CB	ALA	134	117.965	92.545	94.198	1.00	82.19

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 File : October 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BIPOHORE POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 15/118

FIG. 1A-15

ATOM	824	C	ALA	134	118.568	94.980	94.097	1.00	82.93
ATOM	825	O	ALA	134	119.388	95.912	94.241	1.00	82.67
ATOM	826	CB	ALA	150	120.001	97.614	89.743	1.00	101.69
ATOM	827	C	ALA	150	118.719	98.142	91.821	1.00	100.94
ATOM	828	O	ALA	150	117.883	97.395	92.335	1.00	100.35
ATOM	829	N	ALA	150	120.213	96.186	91.749	1.00	101.14
ATOM	830	CA	ALA	150	120.017	97.577	91.261	1.00	101.10
ATOM	831	N	ALA	151	118.540	99.452	91.659	1.00	101.13
ATOM	832	CA	ALA	151	117.370	100.181	92.157	1.00	100.24
ATOM	833	CB	ALA	151	116.061	99.469	91.761	1.00	100.01
ATOM	834	C	ALA	151	117.505	100.323	93.681	1.00	98.83
ATOM	835	O	ALA	151	118.409	101.018	94.154	1.00	99.01
ATOM	836	N	ALA	152	116.644	99.649	94.440	1.00	96.46
ATOM	837	CA	ALA	152	116.703	99.696	95.902	1.00	92.96
ATOM	838	CB	ALA	152	116.218	101.052	96.416	1.00	93.49
ATOM	839	C	ALA	152	115.857	98.567	96.484	1.00	90.09
ATOM	840	O	ALA	152	115.387	98.644	97.620	1.00	89.57
ATOM	841	N	ALA	153	115.715	97.496	95.710	1.00	87.27
ATOM	842	CA	ALA	153	114.922	96.345	96.118	1.00	85.11
ATOM	843	CB	ALA	153	115.035	95.242	95.089	1.00	87.03
ATOM	844	C	ALA	153	115.297	95.820	97.497	1.00	83.27
ATOM	845	O	ALA	153	116.343	95.190	97.687	1.00	82.09
ATOM	846	N	ALA	154	114.438	96.116	98.464	1.00	82.07
ATOM	847	CA	ALA	154	114.633	95.680	99.838	1.00	79.91
ATOM	848	CB	ALA	154	113.774	96.528	100.784	1.00	80.13
ATOM	849	C	ALA	154	114.308	94.188	100.000	1.00	77.83
ATOM	850	O	ALA	154	114.751	93.551	100.963	1.00	77.74
ATOM	851	N	ALA	155	113.533	93.640	99.066	1.00	74.67
ATOM	852	CA	ALA	155	113.145	92.231	99.083	1.00	71.48
ATOM	853	CB	ALA	155	112.173	91.958	100.221	1.00	70.07
ATOM	854	C	ALA	155	112.518	91.835	97.752	1.00	70.62
ATOM	855	O	ALA	155	112.036	92.752	97.053	1.00	68.84
ATOM	856	CB	ALA	178	117.058	95.505	102.209	1.00	58.93
ATOM	857	C	ALA	178	119.494	95.204	102.731	1.00	57.03
ATOM	858	O	ALA	178	120.605	95.013	102.255	1.00	55.07
ATOM	859	N	ALA	178	118.804	95.985	100.513	1.00	59.48
ATOM	860	CA	ALA	178	118.475	96.029	101.962	1.00	58.59
ATOM	861	N	ALA	179	119.102	94.724	103.907	1.00	57.92
ATOM	862	CA	ALA	179	119.967	93.936	104.773	1.00	60.34
ATOM	863	CB	ALA	179	119.171	93.363	105.938	1.00	61.38
ATOM	864	C	ALA	179	120.710	92.832	104.044	1.00	61.59
ATOM	865	O	ALA	179	121.839	93.038	103.606	1.00	61.85
ATOM	866	N	THR	180	120.087	91.663	103.923	1.00	63.95
ATOM	867	CA	THR	180	120.718	90.536	103.245	1.00	65.71
ATOM	868	CB	THR	180	119.769	89.327	103.154	1.00	66.48
ATOM	869	OG1	THR	180	119.034	89.205	104.381	1.00	66.35
ATOM	870	CG2	THR	180	120.569	88.047	102.927	1.00	66.06
ATOM	871	C	THR	180	121.139	90.989	101.851	1.00	66.16
ATOM	872	O	THR	180	120.313	91.168	100.950	1.00	67.87
ATOM	873	N	LYS	181	122.432	91.247	101.713	1.00	65.64
ATOM	874	CA	LYS	181	122.995	91.718	100.463	1.00	64.54
ATOM	875	CB	LYS	181	124.436	92.200	100.664	1.00	65.30
ATOM	876	CG	LYS	181	125.255	91.387	101.658	1.00	66.54
ATOM	877	CD	LYS	181	125.181	91.984	103.053	1.00	66.15
ATOM	878	CE	LYS	181	125.741	93.398	103.078	1.00	65.67
ATOM	879	NZ	LYS	181	125.692	93.970	104.451	1.00	68.13
ATOM	880	C	LYS	181	122.921	90.750	99.291	1.00	63.31
ATOM	881	O	LYS	181	122.910	89.522	99.456	1.00	63.71
ATOM	882	N	ARG	182	122.872	91.339	98.101	1.00	61.46

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1A-16

ATOM	883	CA	ARG	182	122.819	90.610	96.846	1.00	58.88
ATOM	884	CB	ARG	182	122.421	91.564	95.716	1.00	54.15
ATOM	885	CG	ARG	182	121.792	90.907	94.497	1.00	48.60
ATOM	886	CD	ARG	182	122.610	89.741	94.004	1.00	43.01
ATOM	887	NE	ARG	182	122.512	89.563	92.565	1.00	39.07
ATOM	888	CZ	ARG	182	123.036	88.533	91.917	1.00	40.43
ATOM	889	NH1	ARG	182	122.913	88.445	90.600	1.00	40.22
ATOM	890	NH2	ARG	182	123.654	87.571	92.594	1.00	43.27
ATOM	891	C	ARG	182	124.217	90.054	96.573	1.00	59.57
ATOM	892	O	ARG	182	125.011	90.671	95.860	1.00	60.17
ATOM	893	N	GLU	183	124.519	88.916	97.187	1.00	59.09
ATOM	894	CA	GLU	183	125.801	88.231	97.025	1.00	59.57
ATOM	895	CB	GLU	183	126.975	89.090	97.517	1.00	58.15
ATOM	896	CG	GLU	183	126.849	89.602	98.937	1.00	57.54
ATOM	897	CD	GLU	183	127.979	90.536	99.327	1.00	57.01
ATOM	898	OE1	GLU	183	128.763	90.171	100.233	1.00	55.91
ATOM	899	OE2	GLU	183	128.075	91.637	98.738	1.00	53.83
ATOM	900	C	GLU	183	125.716	86.921	97.794	1.00	60.42
ATOM	901	O	GLU	183	126.235	85.891	97.356	1.00	60.81
ATOM	902	N	ASP	184	125.022	86.969	98.929	1.00	60.17
ATOM	903	CA	ASP	184	124.815	85.793	99.765	1.00	59.99
ATOM	904	CB	ASP	184	124.755	86.203	101.240	1.00	61.87
ATOM	905	CG	ASP	184	126.073	86.771	101.743	1.00	64.92
ATOM	906	OD1	ASP	184	126.328	87.976	101.538	1.00	67.44
ATOM	907	OD2	ASP	184	126.856	86.008	102.349	1.00	65.08
ATOM	908	C	ASP	184	123.499	85.119	99.348	1.00	59.20
ATOM	909	O	ASP	184	123.287	83.925	99.590	1.00	59.14
ATOM	910	N	LEU	185	122.649	85.897	98.677	1.00	57.41
ATOM	911	CA	LEU	185	121.339	85.451	98.208	1.00	54.68
ATOM	912	CB	LEU	185	120.368	86.630	98.202	1.00	59.34
ATOM	913	CG	LEU	185	119.442	86.732	99.410	1.00	65.19
ATOM	914	CD1	LEU	185	118.532	87.934	99.228	1.00	68.24
ATOM	915	CD2	LEU	185	118.621	85.444	99.556	1.00	67.95
ATOM	916	C	LEU	185	121.312	84.816	96.826	1.00	50.51
ATOM	917	O	LEU	185	121.970	85.296	95.903	1.00	51.04
ATOM	918	N	VAL	186	120.500	83.775	96.670	1.00	45.95
ATOM	919	CA	VAL	186	120.373	83.120	95.373	1.00	41.48
ATOM	920	CB	VAL	186	120.076	81.583	95.481	1.00	38.55
ATOM	921	CG1	VAL	186	119.581	81.216	96.851	1.00	38.61
ATOM	922	CG2	VAL	186	119.097	81.133	94.406	1.00	39.62
ATOM	923	C	VAL	186	119.351	83.878	94.523	1.00	38.45
ATOM	924	O	VAL	186	118.301	84.292	94.997	1.00	36.70
ATOM	925	N	VAL	187	119.710	84.081	93.268	1.00	37.17
ATOM	926	CA	VAL	187	118.910	84.821	92.316	1.00	35.95
ATOM	927	CB	VAL	187	119.653	86.153	92.008	1.00	34.84
ATOM	928	CG1	VAL	187	119.220	86.767	90.701	1.00	36.63
ATOM	929	CG2	VAL	187	119.444	87.125	93.149	1.00	34.16
ATOM	930	C	VAL	187	118.736	83.971	91.054	1.00	37.32
ATOM	931	O	VAL	187	119.364	82.919	90.922	1.00	37.20
ATOM	932	N	ALA	188	117.824	84.383	90.176	1.00	37.27
ATOM	933	CA	ALA	188	117.579	83.687	88.924	1.00	38.14
ATOM	934	CB	ALA	188	116.316	82.867	89.016	1.00	38.85
ATOM	935	C	ALA	188	117.462	84.720	87.812	1.00	39.78
ATOM	936	O	ALA	188	116.878	85.786	88.009	1.00	40.14
ATOM	937	N	PRO	189	118.041	84.430	86.637	1.00	42.72
ATOM	938	CD	PRO	189	118.817	83.213	86.349	1.00	42.66
ATOM	939	CA	PRO	189	118.024	85.317	85.463	1.00	44.91
ATOM	940	CB	PRO	189	118.901	84.563	84.454	1.00	42.51
ATOM	941	CG	PRO	189	119.766	83.699	85.305	1.00	41.78

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed : October 2, 2000
 For : MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 17/118



FIG. 1A-17

ATOM	942	C	PRO	189	116.625	85.519	84.890	1.00	46.91
ATOM	943	O	PRO	189	115.741	84.675	85.063	1.00	47.16
ATOM	944	N	ALA	190	116.424	86.644	84.216	1.00	49.15
ATOM	945	CA	ALA	190	115.139	86.925	83.589	1.00	52.79
ATOM	946	CB	ALA	190	114.993	88.417	83.305	1.00	53.46
ATOM	947	C	ALA	190	115.121	86.130	82.291	1.00	54.43
ATOM	948	O	ALA	190	116.148	86.012	81.619	1.00	55.47
ATOM	949	N	GLY	191	113.966	85.577	81.941	1.00	55.80
ATOM	950	CA	GLY	191	113.873	84.792	80.727	1.00	57.80
ATOM	951	C	GLY	191	113.784	83.309	81.033	1.00	59.83
ATOM	952	O	GLY	191	113.512	82.502	80.142	1.00	61.79
ATOM	953	N	ILE	192	114.052	82.932	82.280	1.00	60.59
ATOM	954	CA	ILE	192	113.958	81.528	82.660	1.00	61.86
ATOM	955	CB	ILE	192	114.564	81.224	84.062	1.00	61.08
ATOM	956	CG2	ILE	192	116.035	81.594	84.101	1.00	62.19
ATOM	957	CG1	ILE	192	113.773	81.933	85.164	1.00	59.47
ATOM	958	CD1	ILE	192	114.135	81.476	86.552	1.00	57.49
ATOM	959	C	ILE	192	112.481	81.175	82.692	1.00	63.40
ATOM	960	O	ILE	192	111.626	82.016	82.416	1.00	63.75
ATOM	961	N	THR	193	112.180	79.934	83.035	1.00	65.22
ATOM	962	CA	THR	193	110.800	79.504	83.110	1.00	68.24
ATOM	963	CB	THR	193	110.494	78.402	82.062	1.00	72.25
ATOM	964	OG1	THR	193	109.082	78.122	82.046	1.00	75.84
ATOM	965	CG2	THR	193	111.273	77.124	82.374	1.00	72.73
ATOM	966	C	THR	193	110.536	78.993	84.519	1.00	68.78
ATOM	967	O	THR	193	111.458	78.876	85.333	1.00	68.57
ATOM	968	N	LEU	194	109.274	78.680	84.790	1.00	69.53
ATOM	969	CA	LEU	194	108.848	78.179	86.089	1.00	70.58
ATOM	970	CB	LEU	194	107.334	77.982	86.095	1.00	67.74
ATOM	971	CG	LEU	194	106.529	79.277	86.033	1.00	62.43
ATOM	972	CD1	LEU	194	105.081	78.958	85.786	1.00	62.21
ATOM	973	CD2	LEU	194	106.697	80.049	87.328	1.00	60.58
ATOM	974	C	LEU	194	109.557	76.885	86.480	1.00	72.55
ATOM	975	O	LEU	194	109.900	76.687	87.651	1.00	72.45
ATOM	976	N	LYS	195	109.770	76.006	85.502	1.00	74.70
ATOM	977	CA	LYS	195	110.456	74.740	85.749	1.00	76.60
ATOM	978	CB	LYS	195	110.556	73.916	84.459	1.00	77.31
ATOM	979	CG	LYS	195	111.287	72.586	84.628	1.00	79.15
ATOM	980	CD	LYS	195	110.574	71.695	85.640	1.00	81.61
ATOM	981	CE	LYS	195	111.402	70.471	86.004	1.00	82.03
ATOM	982	NZ	LYS	195	111.733	69.639	84.814	1.00	83.87
ATOM	983	C	LYS	195	111.853	75.041	86.287	1.00	77.85
ATOM	984	O	LYS	195	112.252	74.519	87.330	1.00	77.77
ATOM	985	N	GLU	196	112.572	75.911	85.579	1.00	78.89
ATOM	986	CA	GLU	196	113.920	76.312	85.968	1.00	79.64
ATOM	987	CB	GLU	196	114.464	77.349	84.983	1.00	83.46
ATOM	988	CG	GLU	196	114.576	76.850	83.547	1.00	90.70
ATOM	989	CD	GLU	196	115.039	77.931	82.578	1.00	97.03
ATOM	990	OE1	GLU	196	114.240	78.324	81.699	1.00	99.18
ATOM	991	OE2	GLU	196	116.202	78.383	82.686	1.00	100.67
ATOM	992	C	GLU	196	113.859	76.918	87.362	1.00	78.68
ATOM	993	O	GLU	196	114.594	76.512	88.262	1.00	78.96
ATOM	994	N	ALA	197	112.928	77.850	87.533	1.00	77.97
ATOM	995	CA	ALA	197	112.707	78.556	88.789	1.00	77.86
ATOM	996	CB	ALA	197	111.471	79.418	88.666	1.00	76.91
ATOM	997	C	ALA	197	112.574	77.637	89.999	1.00	78.58
ATOM	998	O	ALA	197	113.120	77.920	91.067	1.00	77.61
ATOM	999	N	ASN	198	111.834	76.548	89.826	1.00	80.25
ATOM	1000	CA	ASN	198	111.604	75.581	90.897	1.00	82.34

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1A-18

ATOM	1001	CB	ASN	198	110.664	74.473	90.401	1.00	86.10
ATOM	1002	CG	ASN	198	110.268	73.502	91.502	1.00	89.51
ATOM	1003	OD1	ASN	198	110.999	72.559	91.811	1.00	91.70
ATOM	1004	ND2	ASN	198	109.095	73.718	92.085	1.00	90.35
ATOM	1005	C	ASN	198	112.898	74.968	91.429	1.00	81.89
ATOM	1006	O	ASN	198	113.207	75.067	92.620	1.00	81.46
ATOM	1007	N	GLU	199	113.666	74.360	90.533	1.00	81.93
ATOM	1008	CA	GLU	199	114.914	73.719	90.907	1.00	82.51
ATOM	1009	CB	GLU	199	115.504	72.990	89.701	1.00	84.93
ATOM	1010	CG	GLU	199	116.740	72.168	90.020	1.00	91.19
ATOM	1011	CD	GLU	199	117.236	71.365	88.829	1.00	95.27
ATOM	1012	OE1	GLU	199	117.505	71.970	87.766	1.00	96.08
ATOM	1013	OE2	GLU	199	117.356	70.126	88.962	1.00	97.16
ATOM	1014	C	GLU	199	115.924	74.712	91.472	1.00	82.16
ATOM	1015	O	GLU	199	116.461	74.496	92.562	1.00	82.41
ATOM	1016	N	ILE	200	116.127	75.816	90.751	1.00	81.63
ATOM	1017	CA	ILE	200	117.077	76.871	91.121	1.00	80.38
ATOM	1018	CB	ILE	200	116.824	78.167	90.306	1.00	76.64
ATOM	1019	CG2	ILE	200	117.588	79.349	90.897	1.00	75.73
ATOM	1020	CG1	ILE	200	117.232	77.948	88.846	1.00	74.46
ATOM	1021	CD1	ILE	200	116.991	79.141	87.945	1.00	74.00
ATOM	1022	C	ILE	200	117.163	77.194	92.612	1.00	81.94
ATOM	1023	O	ILE	200	118.217	77.596	93.100	1.00	83.53
ATOM	1024	N	LEU	201	116.069	77.018	93.337	1.00	82.67
ATOM	1025	CA	LEU	201	116.081	77.281	94.766	1.00	84.58
ATOM	1026	CB	LEU	201	115.479	78.658	95.062	1.00	86.28
ATOM	1027	CG	LEU	201	115.486	79.153	96.510	1.00	87.58
ATOM	1028	CD1	LEU	201	116.907	79.183	97.046	1.00	85.65
ATOM	1029	CD2	LEU	201	114.851	80.534	96.583	1.00	89.05
ATOM	1030	C	LEU	201	115.289	76.180	95.443	1.00	85.36
ATOM	1031	O	LEU	201	114.254	76.425	96.056	1.00	84.76
ATOM	1032	N	GLN	202	115.785	74.956	95.332	1.00	87.32
ATOM	1033	CA	GLN	202	115.097	73.823	95.927	1.00	89.77
ATOM	1034	CB	GLN	202	115.698	72.501	95.445	1.00	92.70
ATOM	1035	CG	GLN	202	114.824	71.290	95.764	1.00	97.61
ATOM	1036	CD	GLN	202	113.358	71.499	95.387	1.00	101.05
ATOM	1037	OE1	GLN	202	112.456	71.128	96.139	1.00	102.03
ATOM	1038	NE2	GLN	202	113.120	72.105	94.229	1.00	102.67
ATOM	1039	C	GLN	202	115.054	73.883	97.451	1.00	89.76
ATOM	1040	O	GLN	202	115.836	73.222	98.142	1.00	90.00
ATOM	1041	N	ARG	203	114.144	74.709	97.955	1.00	89.49
ATOM	1042	CA	ARG	203	113.925	74.905	99.382	1.00	88.84
ATOM	1043	CB	ARG	203	115.140	75.579	100.049	1.00	88.34
ATOM	1044	CG	ARG	203	115.732	76.757	99.287	1.00	88.19
ATOM	1045	CD	ARG	203	117.240	76.607	99.126	1.00	88.80
ATOM	1046	NE	ARG	203	117.600	75.378	98.417	1.00	88.58
ATOM	1047	CZ	ARG	203	118.428	75.317	97.377	1.00	86.71
ATOM	1048	NH1	ARG	203	118.998	76.418	96.908	1.00	86.45
ATOM	1049	NH2	ARG	203	118.687	74.146	96.809	1.00	85.61
ATOM	1050	C	ARG	203	112.632	75.706	99.585	1.00	87.84
ATOM	1051	O	ARG	203	111.566	75.287	99.121	1.00	87.56
ATOM	1052	N	ALA	204	112.719	76.867	100.226	1.00	86.13
ATOM	1053	CA	ALA	204	111.531	77.671	100.471	1.00	83.50
ATOM	1054	CB	ALA	204	110.942	77.340	101.843	1.00	84.51
ATOM	1055	C	ALA	204	111.815	79.165	100.358	1.00	80.44
ATOM	1056	O	ALA	204	112.970	79.588	100.256	1.00	80.60
ATOM	1057	N	GLY	205	110.744	79.952	100.384	1.00	76.39
ATOM	1058	CA	GLY	205	110.859	81.392	100.283	1.00	69.88
ATOM	1059	C	GLY	205	110.338	81.872	98.946	1.00	64.80

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed : October 2, 2000
 For : MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 19/118

FIG. 1A-19

ATOM	1060	O	GLY	205	109.236	81.511	98.515	1.00	64.06
ATOM	1061	N	ALA	206	111.150	82.678	98.281	1.00	59.49
ATOM	1062	CA	ALA	206	110.807	83.227	96.985	1.00	54.11
ATOM	1063	CB	ALA	206	110.208	84.615	97.146	1.00	54.44
ATOM	1064	C	ALA	206	112.108	83.310	96.226	1.00	49.90
ATOM	1065	O	ALA	206	113.180	83.244	96.820	1.00	51.13
ATOM	1066	N	LEU	209	112.026	83.413	94.912	1.00	45.11
ATOM	1067	CA	LEU	209	113.225	83.517	94.111	1.00	40.05
ATOM	1068	CB	LEU	209	113.239	82.427	93.048	1.00	36.41
ATOM	1069	CG	LEU	209	114.558	81.773	92.645	1.00	34.85
ATOM	1070	CD1	LEU	209	114.341	81.091	91.308	1.00	34.74
ATOM	1071	CD2	LEU	209	115.691	82.771	92.546	1.00	29.56
ATOM	1072	C	LEU	209	113.205	84.875	93.433	1.00	39.06
ATOM	1073	O	LEU	209	112.312	85.153	92.634	1.00	39.13
ATOM	1074	N	PRO	210	114.098	85.793	93.850	1.00	37.89
ATOM	1075	CD	PRO	210	114.952	85.780	95.051	1.00	36.71
ATOM	1076	CA	PRO	210	114.124	87.111	93.212	1.00	36.68
ATOM	1077	CB	PRO	210	115.070	87.915	94.110	1.00	34.61
ATOM	1078	CG	PRO	210	115.931	86.871	94.746	1.00	35.52
ATOM	1079	C	PRO	210	114.656	86.987	91.786	1.00	36.86
ATOM	1080	O	PRO	210	115.702	86.374	91.560	1.00	38.72
ATOM	1081	N	ILE	211	113.889	87.477	90.818	1.00	35.16
ATOM	1082	CA	ILE	211	114.316	87.415	89.432	1.00	33.61
ATOM	1083	CB	ILE	211	113.131	87.224	88.473	1.00	31.67
ATOM	1084	CG2	ILE	211	113.624	87.115	87.029	1.00	29.72
ATOM	1085	CG1	ILE	211	112.373	85.953	88.852	1.00	26.60
ATOM	1086	CD1	ILE	211	113.229	84.706	88.833	1.00	21.58
ATOM	1087	C	ILE	211	115.036	88.709	89.147	1.00	34.69
ATOM	1088	O	ILE	211	114.561	89.785	89.505	1.00	34.63
ATOM	1089	N	VAL	212	116.189	88.597	88.506	1.00	37.32
ATOM	1090	CA	VAL	212	117.016	89.750	88.209	1.00	41.26
ATOM	1091	CB	VAL	212	118.393	89.593	88.910	1.00	39.76
ATOM	1092	CG1	VAL	212	119.521	90.131	88.061	1.00	41.05
ATOM	1093	CG2	VAL	212	118.357	90.286	90.264	1.00	36.94
ATOM	1094	C	VAL	212	117.166	90.052	86.721	1.00	45.53
ATOM	1095	O	VAL	212	117.324	89.149	85.898	1.00	46.04
ATOM	1096	N	ASN	213	117.078	91.338	86.395	1.00	50.13
ATOM	1097	CA	ASN	213	117.204	91.834	85.029	1.00	54.74
ATOM	1098	CB	ASN	213	116.187	92.958	84.781	1.00	58.04
ATOM	1099	CG	ASN	213	116.312	93.575	83.392	1.00	63.16
ATOM	1100	OD1	ASN	213	117.392	94.001	82.976	1.00	63.63
ATOM	1101	ND2	ASN	213	115.195	93.644	82.676	1.00	66.53
ATOM	1102	C	ASN	213	118.611	92.385	84.886	1.00	56.69
ATOM	1103	O	ASN	213	119.049	93.171	85.728	1.00	56.84
ATOM	1104	N	GLU	214	119.293	91.970	83.820	1.00	58.00
ATOM	1105	CA	GLU	214	120.662	92.379	83.487	1.00	59.26
ATOM	1106	CB	GLU	214	120.708	93.007	82.095	1.00	63.79
ATOM	1107	CG	GLU	214	122.122	93.176	81.565	1.00	70.73
ATOM	1108	CD	GLU	214	122.888	91.861	81.539	1.00	76.36
ATOM	1109	OE1	GLU	214	123.897	91.739	82.273	1.00	77.43
ATOM	1110	OE2	GLU	214	122.470	90.947	80.791	1.00	78.72
ATOM	1111	C	GLU	214	121.381	93.296	84.471	1.00	58.22
ATOM	1112	O	GLU	214	122.362	92.900	85.088	1.00	59.28
ATOM	1113	N	ASN	215	120.873	94.507	84.647	1.00	57.43
ATOM	1114	CA	ASN	215	121.482	95.458	85.567	1.00	58.14
ATOM	1115	CB	ASN	215	120.804	96.828	85.450	1.00	65.27
ATOM	1116	CG	ASN	215	120.970	97.459	84.073	1.00	74.29
ATOM	1117	OD1	ASN	215	121.139	96.766	83.065	1.00	78.55
ATOM	1118	ND2	ASN	215	120.909	98.786	84.024	1.00	77.85

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1A-20

ATOM	1119	C	ASN	215	121.395	94.976	87.014	1.00	55.81
ATOM	1120	O	ASN	215	121.650	95.747	87.945	1.00	56.29
ATOM	1121	N	ASP	216	121.026	93.711	87.202	1.00	52.49
ATOM	1122	CA	ASP	216	120.889	93.115	88.516	1.00	50.19
ATOM	1123	CB	ASP	216	122.212	93.201	89.271	1.00	51.39
ATOM	1124	CG	ASP	216	122.369	92.102	90.285	1.00	54.10
ATOM	1125	OD1	ASP	216	121.951	92.299	91.445	1.00	57.69
ATOM	1126	OD2	ASP	216	122.907	91.039	89.916	1.00	53.63
ATOM	1127	C	ASP	216	119.769	93.852	89.247	1.00	49.43
ATOM	1128	O	ASP	216	119.816	94.077	90.460	1.00	48.51
ATOM	1129	N	GLU	217	118.757	94.234	88.478	1.00	50.39
ATOM	1130	CA	GLU	217	117.600	94.959	88.994	1.00	51.67
ATOM	1131	CB	GLU	217	117.268	96.126	88.054	1.00	56.48
ATOM	1132	CG	GLU	217	117.200	95.734	86.571	1.00	62.18
ATOM	1133	CD	GLU	217	117.162	96.933	85.631	1.00	67.67
ATOM	1134	OE1	GLU	217	116.508	97.948	85.966	1.00	71.20
ATOM	1135	OE2	GLU	217	117.785	96.858	84.550	1.00	67.88
ATOM	1136	C	GLU	217	116.400	94.027	89.139	1.00	49.37
ATOM	1137	O	GLU	217	116.063	93.296	88.203	1.00	50.54
ATOM	1138	N	LEU	218	115.767	94.053	90.310	1.00	46.00
ATOM	1139	CA	LEU	218	114.611	93.209	90.595	1.00	42.82
ATOM	1140	CB	LEU	218	114.056	93.530	91.980	1.00	40.76
ATOM	1141	CG	LEU	218	113.035	92.537	92.525	1.00	43.30
ATOM	1142	CD1	LEU	218	113.587	91.125	92.443	1.00	45.66
ATOM	1143	CD2	LEU	218	112.684	92.888	93.961	1.00	44.41
ATOM	1144	C	LEU	218	113.530	93.392	89.539	1.00	41.76
ATOM	1145	O	LEU	218	112.841	94.411	89.512	1.00	42.68
ATOM	1146	N	VAL	219	113.395	92.399	88.665	1.00	40.13
ATOM	1147	CA	VAL	219	112.414	92.447	87.582	1.00	35.68
ATOM	1148	CB	VAL	219	113.056	91.969	86.234	1.00	32.66
ATOM	1149	CG1	VAL	219	113.267	90.483	86.224	1.00	31.43
ATOM	1150	CG2	VAL	219	112.223	92.386	85.057	1.00	34.92
ATOM	1151	C	VAL	219	111.150	91.649	87.927	1.00	33.78
ATOM	1152	O	VAL	219	110.092	91.864	87.337	1.00	34.95
ATOM	1153	N	ALA	220	111.258	90.741	88.892	1.00	31.81
ATOM	1154	CA	ALA	220	110.123	89.930	89.317	1.00	30.78
ATOM	1155	CB	ALA	220	109.624	89.053	88.167	1.00	31.87
ATOM	1156	C	ALA	220	110.538	89.062	90.486	1.00	29.91
ATOM	1157	O	ALA	220	111.678	89.127	90.939	1.00	29.19
ATOM	1158	N	ILE	221	109.588	88.290	90.996	1.00	30.38
ATOM	1159	CA	ILE	221	109.810	87.361	92.098	1.00	30.65
ATOM	1160	CB	ILE	221	109.456	87.998	93.475	1.00	33.29
ATOM	1161	CG2	ILE	221	109.558	86.974	94.587	1.00	35.92
ATOM	1162	CG1	ILE	221	110.430	89.126	93.814	1.00	36.90
ATOM	1163	CD1	ILE	221	110.282	89.662	95.232	1.00	39.70
ATOM	1164	C	ILE	221	108.891	86.166	91.830	1.00	30.07
ATOM	1165	O	ILE	221	108.010	86.242	90.976	1.00	29.66
ATOM	1166	N	ILE	222	109.158	85.043	92.486	1.00	30.43
ATOM	1167	CA	ILE	222	108.339	83.843	92.352	1.00	32.62
ATOM	1168	CB	ILE	222	108.885	82.873	91.281	1.00	35.84
ATOM	1169	CG2	ILE	222	108.282	83.173	89.929	1.00	38.08
ATOM	1170	CG1	ILE	222	110.403	82.948	91.225	1.00	40.71
ATOM	1171	CD1	ILE	222	110.979	82.332	89.992	1.00	48.17
ATOM	1172	C	ILE	222	108.307	83.143	93.699	1.00	32.70
ATOM	1173	O	ILE	222	109.336	82.696	94.202	1.00	32.91
ATOM	1174	N	ALA	223	107.131	83.096	94.304	1.00	34.15
ATOM	1175	CA	ALA	223	106.971	82.469	95.606	1.00	36.37
ATOM	1176	CB	ALA	223	105.677	82.936	96.253	1.00	40.47
ATOM	1177	C	ALA	223	106.981	80.962	95.481	1.00	36.88

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 1A-21

ATOM	1178	O	ALA	223	106.339	80.408	94.592	1.00	38.29
ATOM	1179	N	ARG	224	107.683	80.300	96.393	1.00	37.92
ATOM	1180	CA	ARG	224	107.778	78.842	96.378	1.00	39.64
ATOM	1181	CB	ARG	224	108.533	78.336	97.623	1.00	40.36
ATOM	1182	CG	ARG	224	109.850	77.565	97.349	1.00	43.06
ATOM	1183	CD	ARG	224	111.088	78.471	97.101	1.00	43.23
ATOM	1184	NE	ARG	224	111.056	79.161	95.809	1.00	41.83
ATOM	1185	CZ	ARG	224	111.816	78.842	94.765	1.00	37.49
ATOM	1186	NH1	ARG	224	112.680	77.847	94.848	1.00	33.15
ATOM	1187	NH2	ARG	224	111.678	79.492	93.619	1.00	38.85
ATOM	1188	C	ARG	224	106.386	78.210	96.316	1.00	40.65
ATOM	1189	O	ARG	224	106.154	77.288	95.535	1.00	41.59
ATOM	1190	N	THR	225	105.446	78.768	97.076	1.00	42.15
ATOM	1191	CA	THR	225	104.072	78.264	97.136	1.00	42.10
ATOM	1192	CB	THR	225	103.201	79.140	98.056	1.00	41.51
ATOM	1193	OG1	THR	225	103.319	80.515	97.667	1.00	42.81
ATOM	1194	CG2	THR	225	103.651	78.995	99.501	1.00	40.52
ATOM	1195	C	THR	225	103.391	78.119	95.772	1.00	43.03
ATOM	1196	O	THR	225	102.639	77.170	95.545	1.00	43.47
ATOM	1197	N	ASP	226	103.658	79.051	94.866	1.00	43.78
ATOM	1198	CA	ASP	226	103.075	78.991	93.535	1.00	44.84
ATOM	1199	CB	ASP	226	103.324	80.296	92.775	1.00	48.02
ATOM	1200	CG	ASP	226	102.595	81.473	93.383	1.00	52.98
ATOM	1201	OD1	ASP	226	101.569	81.264	94.073	1.00	55.78
ATOM	1202	OD2	ASP	226	103.051	82.616	93.166	1.00	58.70
ATOM	1203	C	ASP	226	103.647	77.811	92.760	1.00	44.39
ATOM	1204	O	ASP	226	102.919	77.102	92.064	1.00	46.30
ATOM	1205	N	LEU	227	104.951	77.594	92.895	1.00	42.85
ATOM	1206	CA	LEU	227	105.617	76.488	92.211	1.00	41.91
ATOM	1207	CB	LEU	227	107.127	76.573	92.418	1.00	41.83
ATOM	1208	CG	LEU	227	107.875	77.618	91.581	1.00	43.67
ATOM	1209	CD1	LEU	227	107.080	78.906	91.413	1.00	44.20
ATOM	1210	CD2	LEU	227	109.207	77.911	92.234	1.00	45.65
ATOM	1211	C	LEU	227	105.060	75.161	92.727	1.00	41.23
ATOM	1212	O	LEU	227	105.052	74.159	92.008	1.00	40.43
ATOM	1213	N	LYS	228	104.581	75.173	93.969	1.00	41.25
ATOM	1214	CA	LYS	228	103.976	74.002	94.598	1.00	41.51
ATOM	1215	CB	LYS	228	103.801	74.242	96.103	1.00	42.68
ATOM	1216	CG	LYS	228	103.048	73.147	96.844	1.00	47.59
ATOM	1217	CD	LYS	228	102.737	73.585	98.272	1.00	53.52
ATOM	1218	CE	LYS	228	101.781	72.623	98.978	1.00	56.97
ATOM	1219	NZ	LYS	228	102.353	71.257	99.167	1.00	59.90
ATOM	1220	C	LYS	228	102.615	73.737	93.948	1.00	40.91
ATOM	1221	O	LYS	228	102.390	72.664	93.386	1.00	41.81
ATOM	1222	N	LYS	229	101.735	74.738	93.985	1.00	38.16
ATOM	1223	CA	LYS	229	100.392	74.627	93.412	1.00	36.08
ATOM	1224	CB	LYS	229	99.648	75.958	93.524	1.00	34.26
ATOM	1225	CG	LYS	229	99.472	76.460	94.936	1.00	32.34
ATOM	1226	CD	LYS	229	98.862	77.842	94.945	1.00	33.74
ATOM	1227	CE	LYS	229	98.789	78.398	96.358	1.00	36.97
ATOM	1228	NZ	LYS	229	98.186	79.757	96.400	1.00	37.99
ATOM	1229	C	LYS	229	100.475	74.236	91.946	1.00	36.73
ATOM	1230	O	LYS	229	99.659	73.457	91.446	1.00	36.54
ATOM	1231	N	ASN	230	101.459	74.790	91.254	1.00	36.88
ATOM	1232	CA	ASN	230	101.637	74.483	89.852	1.00	38.77
ATOM	1233	CB	ASN	230	102.698	75.386	89.229	1.00	40.52
ATOM	1234	CG	ASN	230	102.822	75.191	87.721	1.00	47.50
ATOM	1235	OD1	ASN	230	103.865	75.473	87.135	1.00	49.21
ATOM	1236	ND2	ASN	230	101.754	74.710	87.086	1.00	52.48

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 1A-22

ATOM	1237	C	ASN	230	102.019	73.025	89.652	1.00	40.23
ATOM	1238	O	ASN	230	101.474	72.360	88.773	1.00	42.09
ATOM	1239	N	ARG	231	102.923	72.522	90.488	1.00	40.83
ATOM	1240	CA	ARG	231	103.389	71.141	90.377	1.00	41.51
ATOM	1241	CB	ARG	231	104.734	70.975	91.106	1.00	47.17
ATOM	1242	CG	ARG	231	105.495	69.686	90.773	1.00	54.46
ATOM	1243	CD	ARG	231	106.892	69.674	91.405	1.00	66.37
ATOM	1244	NE	ARG	231	107.667	68.482	91.043	1.00	76.11
ATOM	1245	CZ	ARG	231	108.942	68.267	91.378	1.00	78.92
ATOM	1246	NH1	ARG	231	109.544	67.149	90.992	1.00	79.85
ATOM	1247	NH2	ARG	231	109.621	69.156	92.100	1.00	78.17
ATOM	1248	C	ARG	231	102.366	70.126	90.892	1.00	38.99
ATOM	1249	O	ARG	231	102.328	68.976	90.442	1.00	37.79
ATOM	1250	N	ASP	232	101.525	70.565	91.820	1.00	36.95
ATOM	1251	CA	ASP	232	100.509	69.700	92.405	1.00	35.45
ATOM	1252	CB	ASP	232	100.007	70.287	93.730	1.00	40.00
ATOM	1253	CG	ASP	232	101.014	70.149	94.860	1.00	46.07
ATOM	1254	OD1	ASP	232	102.209	69.902	94.588	1.00	48.49
ATOM	1255	OD2	ASP	232	100.600	70.293	96.033	1.00	50.50
ATOM	1256	C	ASP	232	99.312	69.463	91.486	1.00	32.77
ATOM	1257	O	ASP	232	98.687	68.405	91.541	1.00	32.41
ATOM	1258	N	TYR	233	98.986	70.447	90.655	1.00	29.25
ATOM	1259	CA	TYR	233	97.840	70.334	89.769	1.00	24.64
ATOM	1260	CB	TYR	233	96.805	71.380	90.159	1.00	24.64
ATOM	1261	CG	TYR	233	96.403	71.287	91.606	1.00	20.42
ATOM	1262	CD1	TYR	233	95.511	70.312	92.036	1.00	16.93
ATOM	1263	CE1	TYR	233	95.139	70.222	93.369	1.00	20.69
ATOM	1264	CD2	TYR	233	96.922	72.170	92.546	1.00	20.67
ATOM	1265	CE2	TYR	233	96.557	72.090	93.883	1.00	22.46
ATOM	1266	CZ	TYR	233	95.666	71.114	94.289	1.00	22.03
ATOM	1267	OH	TYR	233	95.295	71.040	95.613	1.00	25.90
ATOM	1268	C	TYR	233	98.167	70.449	88.291	1.00	22.35
ATOM	1269	O	TYR	233	97.996	71.513	87.688	1.00	22.95
ATOM	1270	N	PRO	234	98.560	69.327	87.668	1.00	19.57
ATOM	1271	CD	PRO	234	98.710	68.020	88.321	1.00	15.74
ATOM	1272	CA	PRO	234	98.922	69.225	86.252	1.00	19.92
ATOM	1273	CB	PRO	234	99.379	67.778	86.122	1.00	15.39
ATOM	1274	CG	PRO	234	98.606	67.085	87.162	1.00	14.18
ATOM	1275	C	PRO	234	97.812	69.535	85.266	1.00	21.74
ATOM	1276	O	PRO	234	98.083	69.768	84.091	1.00	23.45
ATOM	1277	N	LEU	235	96.568	69.527	85.734	1.00	23.76
ATOM	1278	CA	LEU	235	95.436	69.806	84.856	1.00	24.11
ATOM	1279	CB	LEU	235	94.316	68.800	85.100	1.00	22.93
ATOM	1280	CG	LEU	235	94.640	67.346	84.788	1.00	17.74
ATOM	1281	CD1	LEU	235	93.410	66.496	85.050	1.00	19.65
ATOM	1282	CD2	LEU	235	95.074	67.241	83.346	1.00	15.28
ATOM	1283	C	LEU	235	94.885	71.210	85.019	1.00	24.65
ATOM	1284	O	LEU	235	93.947	71.597	84.315	1.00	26.71
ATOM	1285	N	ALA	236	95.476	71.967	85.939	1.00	24.68
ATOM	1286	CA	ALA	236	95.048	73.335	86.237	1.00	24.91
ATOM	1287	CB	ALA	236	96.086	74.025	87.114	1.00	26.10
ATOM	1288	C	ALA	236	94.718	74.215	85.031	1.00	24.07
ATOM	1289	O	ALA	236	95.522	74.358	84.107	1.00	24.73
ATOM	1290	N	SER	237	93.517	74.783	85.041	1.00	24.63
ATOM	1291	CA	SER	237	93.070	75.678	83.981	1.00	25.43
ATOM	1292	CB	SER	237	91.541	75.717	83.941	1.00	25.49
ATOM	1293	OG	SER	237	91.009	74.422	83.729	1.00	26.13
ATOM	1294	C	SER	237	93.625	77.068	84.292	1.00	25.26
ATOM	1295	O	SER	237	93.017	77.826	85.050	1.00	24.30

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
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FIG. 1A-23

ATOM	1296	N	LYS	238	94.814	77.357	83.755	1.00	27.02
ATOM	1297	CA	LYS	238	95.514	78.632	83.956	1.00	26.84
ATOM	1298	CB	LYS	238	96.955	78.373	84.417	1.00	25.90
ATOM	1299	CG	LYS	238	97.069	77.574	85.713	1.00	30.34
ATOM	1300	CD	LYS	238	98.498	77.545	86.261	1.00	36.02
ATOM	1301	CE	LYS	238	99.468	76.751	85.383	1.00	40.96
ATOM	1302	NZ	LYS	238	99.312	75.265	85.478	1.00	43.36
ATOM	1303	C	LYS	238	95.549	79.487	82.688	1.00	27.11
ATOM	1304	O	LYS	238	95.469	78.960	81.588	1.00	28.11
ATOM	1305	N	ASP	239	95.647	80.805	82.839	1.00	27.73
ATOM	1306	CA	ASP	239	95.712	81.703	81.684	1.00	28.78
ATOM	1307	CB	ASP	239	95.005	83.044	81.968	1.00	26.56
ATOM	1308	CG	ASP	239	95.633	83.832	83.116	1.00	24.59
ATOM	1309	OD1	ASP	239	96.564	83.334	83.766	1.00	26.84
ATOM	1310	OD2	ASP	239	95.189	84.968	83.374	1.00	24.38
ATOM	1311	C	ASP	239	97.169	81.927	81.268	1.00	30.60
ATOM	1312	O	ASP	239	98.087	81.343	81.855	1.00	32.51
ATOM	1313	N	ALA	240	97.389	82.805	80.296	1.00	30.28
ATOM	1314	CA	ALA	240	98.737	83.082	79.811	1.00	31.43
ATOM	1315	CB	ALA	240	98.686	84.111	78.705	1.00	32.61
ATOM	1316	C	ALA	240	99.701	83.536	80.905	1.00	33.16
ATOM	1317	O	ALA	240	100.915	83.424	80.756	1.00	34.13
ATOM	1318	N	LYS	241	99.158	84.024	82.013	1.00	34.52
ATOM	1319	CA	LYS	241	99.985	84.507	83.114	1.00	34.81
ATOM	1320	CB	LYS	241	99.422	85.834	83.639	1.00	37.50
ATOM	1321	CG	LYS	241	98.935	86.783	82.540	1.00	43.35
ATOM	1322	CD	LYS	241	100.062	87.283	81.631	1.00	46.22
ATOM	1323	CE	LYS	241	100.841	88.420	82.278	1.00	48.19
ATOM	1324	NZ	LYS	241	99.952	89.571	82.619	1.00	51.12
ATOM	1325	C	LYS	241	100.105	83.498	84.257	1.00	33.59
ATOM	1326	O	LYS	241	100.425	83.872	85.382	1.00	35.65
ATOM	1327	N	LYS	242	99.834	82.229	83.967	1.00	31.55
ATOM	1328	CA	LYS	242	99.909	81.160	84.963	1.00	30.28
ATOM	1329	CB	LYS	242	101.349	80.959	85.434	1.00	32.09
ATOM	1330	CG	LYS	242	102.261	80.473	84.336	1.00	39.25
ATOM	1331	CD	LYS	242	101.699	79.221	83.672	1.00	46.14
ATOM	1332	CE	LYS	242	102.685	78.627	82.676	1.00	51.26
ATOM	1333	NZ	LYS	242	103.060	79.601	81.608	1.00	54.72
ATOM	1334	C	LYS	242	98.972	81.316	86.160	1.00	28.29
ATOM	1335	O	LYS	242	99.236	80.787	87.249	1.00	26.69
ATOM	1336	N	GLN	243	97.856	82.000	85.926	1.00	26.16
ATOM	1337	CA	GLN	243	96.833	82.229	86.941	1.00	24.73
ATOM	1338	CB	GLN	243	96.364	83.679	86.905	1.00	25.73
ATOM	1339	CG	GLN	243	97.449	84.714	87.041	1.00	28.69
ATOM	1340	CD	GLN	243	96.883	86.108	86.960	1.00	31.37
ATOM	1341	OE1	GLN	243	97.213	86.874	86.062	1.00	35.38
ATOM	1342	NE2	GLN	243	95.986	86.431	87.877	1.00	35.92
ATOM	1343	C	GLN	243	95.625	81.346	86.646	1.00	23.19
ATOM	1344	O	GLN	243	95.335	81.062	85.488	1.00	22.08
ATOM	1345	N	LEU	244	94.907	80.934	87.684	1.00	22.67
ATOM	1346	CA	LEU	244	93.723	80.111	87.484	1.00	23.46
ATOM	1347	CB	LEU	244	93.144	79.655	88.824	1.00	22.03
ATOM	1348	CG	LEU	244	93.986	78.729	89.695	1.00	18.65
ATOM	1349	CD1	LEU	244	93.196	78.359	90.934	1.00	13.02
ATOM	1350	CD2	LEU	244	94.361	77.478	88.913	1.00	18.74
ATOM	1351	C	LEU	244	92.690	80.959	86.757	1.00	23.82
ATOM	1352	O	LEU	244	92.302	82.018	87.245	1.00	25.78
ATOM	1353	N	LEU	245	92.279	80.531	85.569	1.00	24.26
ATOM	1354	CA	LEU	245	91.286	81.298	84.836	1.00	22.59

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 1A-24

ATOM	1355	CB	LEU	245	91.181	80.843	83.372	1.00	24.90
ATOM	1356	CG	LEU	245	91.196	79.370	82.962	1.00	25.75
ATOM	1357	CD1	LEU	245	90.061	78.644	83.632	1.00	27.83
ATOM	1358	CD2	LEU	245	91.086	79.250	81.443	1.00	21.78
ATOM	1359	C	LEU	245	89.949	81.241	85.564	1.00	21.43
ATOM	1360	O	LEU	245	89.665	80.286	86.286	1.00	22.49
ATOM	1361	N	CYS	246	89.151	82.288	85.401	1.00	20.00
ATOM	1362	CA	CYS	246	87.858	82.388	86.057	1.00	18.86
ATOM	1363	CB	CYS	246	88.004	83.243	87.321	1.00	17.47
ATOM	1364	SG	CYS	246	86.569	83.374	88.399	1.00	17.81
ATOM	1365	C	CYS	246	86.852	83.027	85.106	1.00	20.06
ATOM	1366	O	CYS	246	87.217	83.804	84.216	1.00	18.69
ATOM	1367	N	GLY	247	85.592	82.646	85.265	1.00	19.49
ATOM	1368	CA	GLY	247	84.532	83.197	84.449	1.00	17.64
ATOM	1369	C	GLY	247	83.474	83.715	85.398	1.00	16.99
ATOM	1370	O	GLY	247	83.420	83.287	86.553	1.00	18.25
ATOM	1371	N	ALA	248	82.630	84.626	84.935	1.00	16.02
ATOM	1372	CA	ALA	248	81.595	85.189	85.792	1.00	15.37
ATOM	1373	CB	ALA	248	82.055	86.520	86.362	1.00	10.50
ATOM	1374	C	ALA	248	80.299	85.360	85.016	1.00	15.60
ATOM	1375	O	ALA	248	80.319	85.477	83.788	1.00	15.68
ATOM	1376	N	ALA	249	79.174	85.357	85.724	1.00	15.70
ATOM	1377	CA	ALA	249	77.874	85.512	85.077	1.00	15.74
ATOM	1378	CB	ALA	249	76.918	84.445	85.574	1.00	12.70
ATOM	1379	C	ALA	249	77.282	86.891	85.327	1.00	14.03
ATOM	1380	O	ALA	249	77.329	87.381	86.452	1.00	14.73
ATOM	1381	N	ILE	250	76.759	87.531	84.286	1.00	12.46
ATOM	1382	CA	ILE	250	76.123	88.835	84.445	1.00	14.51
ATOM	1383	CB	ILE	250	76.965	90.018	83.895	1.00	11.80
ATOM	1384	CG2	ILE	250	78.249	90.162	84.659	1.00	9.96
ATOM	1385	CG1	ILE	250	77.207	89.866	82.395	1.00	15.67
ATOM	1386	CD1	ILE	250	77.623	91.154	81.705	1.00	17.25
ATOM	1387	C	ILE	250	74.772	88.844	83.739	1.00	17.19
ATOM	1388	O	ILE	250	74.460	87.948	82.959	1.00	18.56
ATOM	1389	N	GLY	251	73.950	89.828	84.074	1.00	18.09
ATOM	1390	CA	GLY	251	72.655	89.954	83.447	1.00	18.30
ATOM	1391	C	GLY	251	72.821	90.758	82.176	1.00	20.39
ATOM	1392	O	GLY	251	73.944	90.968	81.721	1.00	20.47
ATOM	1393	N	THR	252	71.715	91.265	81.642	1.00	23.81
ATOM	1394	CA	THR	252	71.740	92.036	80.405	1.00	26.27
ATOM	1395	CB	THR	252	70.961	91.309	79.288	1.00	24.89
ATOM	1396	OG1	THR	252	69.704	90.844	79.803	1.00	27.82
ATOM	1397	CG2	THR	252	71.764	90.127	78.757	1.00	21.50
ATOM	1398	C	THR	252	71.216	93.467	80.537	1.00	28.88
ATOM	1399	O	THR	252	71.085	94.182	79.540	1.00	30.63
ATOM	1400	N	HIS	253	70.875	93.877	81.753	1.00	29.72
ATOM	1401	CA	HIS	253	70.393	95.235	81.970	1.00	32.38
ATOM	1402	CB	HIS	253	69.719	95.350	83.335	1.00	35.13
ATOM	1403	CG	HIS	253	68.545	94.438	83.516	1.00	38.59
ATOM	1404	CD2	HIS	253	67.485	94.186	82.710	1.00	40.91
ATOM	1405	ND1	HIS	253	68.367	93.659	84.636	1.00	41.86
ATOM	1406	CE1	HIS	253	67.251	92.968	84.521	1.00	42.51
ATOM	1407	NE2	HIS	253	66.691	93.269	83.360	1.00	43.09
ATOM	1408	C	HIS	253	71.596	96.171	81.905	1.00	34.27
ATOM	1409	O	HIS	253	72.735	95.728	82.055	1.00	34.56
ATOM	1410	N	GLU	254	71.347	97.461	81.696	1.00	36.70
ATOM	1411	CA	GLU	254	72.415	98.467	81.621	1.00	38.22
ATOM	1412	CB	GLU	254	71.811	99.877	81.566	1.00	39.91
ATOM	1413	CG	GLU	254	70.970	100.167	80.331	1.00	44.25

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
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 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 25/118



FIG. 1A-25

ATOM	1414	CD	GLU	254	71.797	100.264	79.060	1.00	47.81
ATOM	1415	OE1	GLU	254	72.924	100.809	79.126	1.00	49.46
ATOM	1416	OE2	GLU	254	71.316	99.808	77.995	1.00	46.89
ATOM	1417	C	GLU	254	73.363	98.376	82.821	1.00	38.45
ATOM	1418	O	GLU	254	74.576	98.556	82.690	1.00	37.95
ATOM	1419	N	ASP	255	72.791	98.085	83.986	1.00	39.23
ATOM	1420	CA	ASP	255	73.537	97.960	85.238	1.00	40.62
ATOM	1421	CB	ASP	255	72.618	97.427	86.346	1.00	48.75
ATOM	1422	CG	ASP	255	71.337	98.236	86.500	1.00	59.02
ATOM	1423	OD1	ASP	255	71.359	99.251	87.238	1.00	63.37
ATOM	1424	OD2	ASP	255	70.306	97.841	85.898	1.00	63.08
ATOM	1425	C	ASP	255	74.698	96.985	85.080	1.00	38.56
ATOM	1426	O	ASP	255	75.763	97.140	85.687	1.00	37.91
ATOM	1427	N	ASP	256	74.472	95.972	84.255	1.00	36.23
ATOM	1428	CA	ASP	256	75.467	94.943	84.028	1.00	32.80
ATOM	1429	CB	ASP	256	74.831	93.752	83.324	1.00	31.43
ATOM	1430	CG	ASP	256	73.752	93.113	84.164	1.00	31.85
ATOM	1431	OD1	ASP	256	74.088	92.491	85.193	1.00	32.92
ATOM	1432	OD2	ASP	256	72.566	93.253	83.817	1.00	33.76
ATOM	1433	C	ASP	256	76.702	95.433	83.311	1.00	30.28
ATOM	1434	O	ASP	256	77.730	94.760	83.307	1.00	30.73
ATOM	1435	N	LYS	257	76.623	96.620	82.732	1.00	27.82
ATOM	1436	CA	LYS	257	77.778	97.172	82.054	1.00	26.56
ATOM	1437	CB	LYS	257	77.360	98.332	81.163	1.00	27.33
ATOM	1438	CG	LYS	257	76.374	97.918	80.089	1.00	27.87
ATOM	1439	CD	LYS	257	76.064	99.065	79.168	1.00	29.75
ATOM	1440	CE	LYS	257	75.247	98.598	77.987	1.00	31.51
ATOM	1441	NZ	LYS	257	75.030	99.713	77.033	1.00	33.96
ATOM	1442	C	LYS	257	78.806	97.605	83.104	1.00	25.35
ATOM	1443	O	LYS	257	80.003	97.327	82.962	1.00	26.37
ATOM	1444	N	TYR	258	78.321	98.211	84.189	1.00	23.85
ATOM	1445	CA	TYR	258	79.171	98.661	85.294	1.00	22.66
ATOM	1446	CB	TYR	258	78.346	99.474	86.308	1.00	18.97
ATOM	1447	CG	TYR	258	78.981	99.660	87.677	1.00	18.12
ATOM	1448	CD1	TYR	258	80.182	100.357	87.832	1.00	19.37
ATOM	1449	CE1	TYR	258	80.765	100.518	89.096	1.00	19.31
ATOM	1450	CD2	TYR	258	78.380	99.129	88.820	1.00	17.20
ATOM	1451	CE2	TYR	258	78.955	99.284	90.081	1.00	17.71
ATOM	1452	CZ	TYR	258	80.144	99.978	90.213	1.00	18.86
ATOM	1453	OH	TYR	258	80.711	100.126	91.460	1.00	23.15
ATOM	1454	C	TYR	258	79.803	97.440	85.960	1.00	23.75
ATOM	1455	O	TYR	258	81.028	97.365	86.127	1.00	26.26
ATOM	1456	N	ARG	259	78.959	96.487	86.335	1.00	22.76
ATOM	1457	CA	ARG	259	79.415	95.251	86.955	1.00	21.36
ATOM	1458	CB	ARG	259	78.231	94.307	87.120	1.00	21.72
ATOM	1459	CG	ARG	259	78.579	92.912	87.567	1.00	20.25
ATOM	1460	CD	ARG	259	77.328	92.068	87.586	1.00	16.94
ATOM	1461	NE	ARG	259	76.371	92.538	88.583	1.00	9.97
ATOM	1462	CZ	ARG	259	76.422	92.204	89.866	1.00	11.33
ATOM	1463	NH1	ARG	259	77.381	91.403	90.305	1.00	15.57
ATOM	1464	NH2	ARG	259	75.511	92.658	90.710	1.00	9.18
ATOM	1465	C	ARG	259	80.479	94.607	86.070	1.00	20.76
ATOM	1466	O	ARG	259	81.534	94.217	86.555	1.00	23.26
ATOM	1467	N	LEU	260	80.217	94.557	84.766	1.00	19.61
ATOM	1468	CA	LEU	260	81.149	93.986	83.800	1.00	19.57
ATOM	1469	CB	LEU	260	80.614	94.141	82.372	1.00	15.34
ATOM	1470	CG	LEU	260	81.576	93.695	81.270	1.00	12.31
ATOM	1471	CD1	LEU	260	81.799	92.187	81.352	1.00	13.03
ATOM	1472	CD2	LEU	260	81.035	94.079	79.914	1.00	11.42

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1A-26

ATOM	1473	C	LEU	260	82.496	94.684	83.898	1.00	22.22
ATOM	1474	O	LEU	260	83.549	94.038	83.867	1.00	22.00
ATOM	1475	N	ASP	261	82.462	96.008	83.997	1.00	24.36
ATOM	1476	CA	ASP	261	83.688	96.785	84.090	1.00	23.45
ATOM	1477	CB	ASP	261	83.389	98.284	84.092	1.00	24.33
ATOM	1478	CG	ASP	261	82.896	98.788	82.739	1.00	26.27
ATOM	1479	OD1	ASP	261	83.111	98.103	81.719	1.00	19.29
ATOM	1480	OD2	ASP	261	82.295	99.881	82.693	1.00	32.41
ATOM	1481	C	ASP	261	84.480	96.378	85.315	1.00	22.43
ATOM	1482	O	ASP	261	85.689	96.169	85.219	1.00	25.11
ATOM	1483	N	LEU	262	83.801	96.197	86.445	1.00	19.65
ATOM	1484	CA	LEU	262	84.482	95.782	87.670	1.00	18.60
ATOM	1485	CB	LEU	262	83.547	95.857	88.877	1.00	16.65
ATOM	1486	CG	LEU	262	82.947	97.231	89.194	1.00	18.61
ATOM	1487	CD1	LEU	262	82.651	97.321	90.682	1.00	14.11
ATOM	1488	CD2	LEU	262	83.910	98.341	88.782	1.00	16.63
ATOM	1489	C	LEU	262	85.030	94.368	87.522	1.00	19.71
ATOM	1490	O	LEU	262	86.100	94.044	88.050	1.00	20.31
ATOM	1491	N	LEU	263	84.306	93.533	86.782	1.00	19.72
ATOM	1492	CA	LEU	263	84.728	92.158	86.546	1.00	18.62
ATOM	1493	CB	LEU	263	83.581	91.321	85.970	1.00	15.30
ATOM	1494	CG	LEU	263	82.386	91.120	86.909	1.00	13.44
ATOM	1495	CD1	LEU	263	81.319	90.307	86.215	1.00	12.65
ATOM	1496	CD2	LEU	263	82.828	90.450	88.194	1.00	8.53
ATOM	1497	C	LEU	263	85.925	92.145	85.608	1.00	19.87
ATOM	1498	O	LEU	263	86.802	91.288	85.730	1.00	19.89
ATOM	1499	N	ALA	264	85.966	93.104	84.685	1.00	20.77
ATOM	1500	CA	ALA	264	87.079	93.220	83.741	1.00	21.02
ATOM	1501	CB	ALA	264	86.809	94.324	82.728	1.00	19.62
ATOM	1502	C	ALA	264	88.331	93.540	84.553	1.00	20.05
ATOM	1503	O	ALA	264	89.330	92.824	84.484	1.00	19.96
ATOM	1504	N	LEU	265	88.235	94.582	85.374	1.00	19.65
ATOM	1505	CA	LEU	265	89.326	95.002	86.240	1.00	17.63
ATOM	1506	CB	LEU	265	88.875	96.165	87.118	1.00	14.88
ATOM	1507	CG	LEU	265	88.827	97.558	86.487	1.00	16.17
ATOM	1508	CD1	LEU	265	88.122	98.539	87.420	1.00	14.22
ATOM	1509	CD2	LEU	265	90.236	98.024	86.198	1.00	9.91
ATOM	1510	C	LEU	265	89.781	93.856	87.136	1.00	19.52
ATOM	1511	O	LEU	265	90.945	93.792	87.517	1.00	23.94
ATOM	1512	N	ALA	266	88.851	92.975	87.495	1.00	17.94
ATOM	1513	CA	ALA	266	89.144	91.827	88.349	1.00	14.70
ATOM	1514	CB	ALA	266	87.852	91.215	88.859	1.00	14.20
ATOM	1515	C	ALA	266	89.956	90.776	87.605	1.00	14.73
ATOM	1516	O	ALA	266	90.602	89.925	88.219	1.00	14.46
ATOM	1517	N	GLY	267	89.901	90.825	86.280	1.00	14.47
ATOM	1518	CA	GLY	267	90.638	89.869	85.480	1.00	15.93
ATOM	1519	C	GLY	267	89.848	88.638	85.089	1.00	19.86
ATOM	1520	O	GLY	267	90.427	87.567	84.889	1.00	23.99
ATOM	1521	N	VAL	268	88.528	88.774	84.996	1.00	21.02
ATOM	1522	CA	VAL	268	87.660	87.670	84.607	1.00	19.03
ATOM	1523	CB	VAL	268	86.178	88.107	84.620	1.00	16.96
ATOM	1524	CG1	VAL	268	85.891	89.056	83.477	1.00	13.08
ATOM	1525	CG2	VAL	268	85.266	86.907	84.565	1.00	18.26
ATOM	1526	C	VAL	268	88.076	87.274	83.188	1.00	19.74
ATOM	1527	O	VAL	268	88.452	88.136	82.393	1.00	21.80
ATOM	1528	N	ASP	269	88.035	85.980	82.886	1.00	18.77
ATOM	1529	CA	ASP	269	88.428	85.481	81.571	1.00	15.89
ATOM	1530	CB	ASP	269	89.229	84.193	81.728	1.00	15.41
ATOM	1531	CG	ASP	269	90.448	84.371	82.604	1.00	19.66

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed October 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 27/118

FIG. 1A-27

ATOM	1532	OD1	ASP	269	91.555	84.564	82.070	1.00	22.69
ATOM	1533	OD2	ASP	269	90.303	84.319	83.835	1.00	22.25
ATOM	1534	C	ASP	269	87.273	85.245	80.597	1.00	16.00
ATOM	1535	O	ASP	269	87.419	85.442	79.386	1.00	17.09
ATOM	1536	N	VAL	270	86.146	84.770	81.115	1.00	16.22
ATOM	1537	CA	VAL	270	84.978	84.491	80.289	1.00	16.09
ATOM	1538	CB	VAL	270	84.782	82.974	80.021	1.00	15.10
ATOM	1539	CG1	VAL	270	85.722	82.506	78.967	1.00	20.52
ATOM	1540	CG2	VAL	270	85.024	82.174	81.275	1.00	15.72
ATOM	1541	C	VAL	270	83.759	84.976	81.024	1.00	16.90
ATOM	1542	O	VAL	270	83.689	84.857	82.248	1.00	18.88
ATOM	1543	N	VAL	271	82.797	85.512	80.284	1.00	15.33
ATOM	1544	CA	VAL	271	81.574	86.005	80.885	1.00	13.74
ATOM	1545	CB	VAL	271	81.528	87.542	80.857	1.00	11.48
ATOM	1546	CG1	VAL	271	80.130	88.035	81.173	1.00	11.74
ATOM	1547	CG2	VAL	271	82.497	88.096	81.881	1.00	11.95
ATOM	1548	C	VAL	271	80.333	85.420	80.215	1.00	14.45
ATOM	1549	O	VAL	271	80.222	85.401	78.986	1.00	15.35
ATOM	1550	N	VAL	272	79.421	84.904	81.028	1.00	13.08
ATOM	1551	CA	VAL	272	78.193	84.341	80.511	1.00	12.88
ATOM	1552	CB	VAL	272	77.924	82.906	81.050	1.00	11.78
ATOM	1553	CG1	VAL	272	77.855	82.893	82.547	1.00	13.59
ATOM	1554	CG2	VAL	272	76.630	82.371	80.485	1.00	11.58
ATOM	1555	C	VAL	272	77.020	85.255	80.843	1.00	14.54
ATOM	1556	O	VAL	272	76.896	85.751	81.971	1.00	14.50
ATOM	1557	N	LEU	273	76.215	85.535	79.823	1.00	14.49
ATOM	1558	CA	LEU	273	75.031	86.362	79.969	1.00	13.78
ATOM	1559	CB	LEU	273	74.703	87.005	78.628	1.00	10.64
ATOM	1560	CG	LEU	273	75.900	87.845	78.168	1.00	8.78
ATOM	1561	CD1	LEU	273	75.649	88.474	76.836	1.00	10.66
ATOM	1562	CD2	LEU	273	76.186	88.927	79.188	1.00	9.83
ATOM	1563	C	LEU	273	73.916	85.434	80.469	1.00	16.26
ATOM	1564	O	LEU	273	73.510	84.478	79.781	1.00	15.19
ATOM	1565	N	ASP	274	73.499	85.689	81.708	1.00	15.97
ATOM	1566	CA	ASP	274	72.492	84.910	82.430	1.00	14.76
ATOM	1567	CB	ASP	274	72.706	85.144	83.932	1.00	14.18
ATOM	1568	CG	ASP	274	72.150	84.036	84.789	1.00	18.31
ATOM	1569	OD1	ASP	274	72.007	82.901	84.291	1.00	23.20
ATOM	1570	OD2	ASP	274	71.882	84.294	85.985	1.00	21.30
ATOM	1571	C	ASP	274	71.028	85.177	82.066	1.00	13.69
ATOM	1572	O	ASP	274	70.494	86.253	82.339	1.00	16.74
ATOM	1573	N	SER	275	70.367	84.174	81.501	1.00	11.17
ATOM	1574	CA	SER	275	68.963	84.287	81.122	1.00	10.14
ATOM	1575	CB	SER	275	68.784	85.240	79.934	1.00	8.75
ATOM	1576	OG	SER	275	69.604	84.882	78.828	1.00	18.88
ATOM	1577	C	SER	275	68.344	82.937	80.802	1.00	10.53
ATOM	1578	O	SER	275	69.030	82.021	80.351	1.00	10.72
ATOM	1579	N	SER	276	67.054	82.810	81.092	1.00	12.08
ATOM	1580	CA	SER	276	66.311	81.589	80.835	1.00	11.23
ATOM	1581	CB	SER	276	65.058	81.558	81.702	1.00	7.13
ATOM	1582	OG	SER	276	64.208	82.626	81.348	1.00	7.88
ATOM	1583	C	SER	276	65.921	81.513	79.359	1.00	13.13
ATOM	1584	O	SER	276	65.594	80.439	78.845	1.00	17.69
ATOM	1585	N	GLN	277	65.930	82.657	78.687	1.00	12.48
ATOM	1586	CA	GLN	277	65.583	82.720	77.275	1.00	14.28
ATOM	1587	CB	GLN	277	64.093	83.058	77.115	1.00	13.50
ATOM	1588	CG	GLN	277	63.387	82.326	75.968	1.00	10.64
ATOM	1589	CD	GLN	277	63.715	82.880	74.584	1.00	13.67
ATOM	1590	OE1	GLN	277	62.891	83.547	73.959	1.00	13.62

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1A-28

ATOM	1591	NE2	GLN	277	64.906	82.574	74.088	1.00	14.26
ATOM	1592	C	GLN	277	66.463	83.823	76.702	1.00	15.33
ATOM	1593	O	GLN	277	66.047	84.981	76.612	1.00	17.75
ATOM	1594	N	GLY	278	67.685	83.453	76.329	1.00	13.77
ATOM	1595	CA	GLY	278	68.637	84.413	75.809	1.00	11.38
ATOM	1596	C	GLY	278	68.472	84.918	74.396	1.00	11.86
ATOM	1597	O	GLY	278	69.294	85.703	73.956	1.00	14.42
ATOM	1598	N	ASN	279	67.460	84.474	73.664	1.00	11.99
ATOM	1599	CA	ASN	279	67.282	84.959	72.299	1.00	13.64
ATOM	1600	CB	ASN	279	66.599	83.900	71.438	1.00	13.49
ATOM	1601	CG	ASN	279	66.410	84.345	70.001	1.00	12.47
ATOM	1602	OD1	ASN	279	67.116	85.214	69.509	1.00	12.30
ATOM	1603	ND2	ASN	279	65.435	83.757	69.331	1.00	14.37
ATOM	1604	C	ASN	279	66.452	86.240	72.335	1.00	15.97
ATOM	1605	O	ASN	279	65.286	86.256	71.941	1.00	18.11
ATOM	1606	N	SER	280	67.058	87.317	72.819	1.00	16.92
ATOM	1607	CA	SER	280	66.355	88.585	72.940	1.00	14.96
ATOM	1608	CB	SER	280	66.005	88.845	74.408	1.00	14.71
ATOM	1609	OG	SER	280	67.161	89.029	75.220	1.00	13.79
ATOM	1610	C	SER	280	67.165	89.747	72.419	1.00	15.56
ATOM	1611	O	SER	280	68.396	89.694	72.378	1.00	17.53
ATOM	1612	N	ILE	281	66.474	90.825	72.077	1.00	15.66
ATOM	1613	CA	ILE	281	67.135	92.022	71.584	1.00	14.41
ATOM	1614	CB	ILE	281	66.097	93.080	71.109	1.00	14.31
ATOM	1615	CG2	ILE	281	65.235	93.547	72.266	1.00	11.29
ATOM	1616	CG1	ILE	281	66.807	94.239	70.417	1.00	14.68
ATOM	1617	CD1	ILE	281	67.730	93.792	69.281	1.00	14.99
ATOM	1618	C	ILE	281	68.042	92.588	72.683	1.00	13.74
ATOM	1619	O	ILE	281	69.099	93.153	72.404	1.00	12.52
ATOM	1620	N	PHE	282	67.659	92.368	73.937	1.00	15.03
ATOM	1621	CA	PHE	282	68.435	92.855	75.077	1.00	14.86
ATOM	1622	CB	PHE	282	67.707	92.591	76.399	1.00	14.56
ATOM	1623	CG	PHE	282	66.256	92.942	76.364	1.00	19.88
ATOM	1624	CD1	PHE	282	65.835	94.187	75.904	1.00	25.20
ATOM	1625	CD2	PHE	282	65.304	92.026	76.787	1.00	22.64
ATOM	1626	CE1	PHE	282	64.485	94.509	75.845	1.00	27.06
ATOM	1627	CE2	PHE	282	63.951	92.332	76.735	1.00	26.16
ATOM	1628	CZ	PHE	282	63.540	93.579	76.269	1.00	29.37
ATOM	1629	C	PHE	282	69.796	92.188	75.122	1.00	14.34
ATOM	1630	O	PHE	282	70.811	92.866	75.263	1.00	14.62
ATOM	1631	N	GLN	283	69.820	90.864	75.001	1.00	15.01
ATOM	1632	CA	GLN	283	71.087	90.148	75.052	1.00	17.13
ATOM	1633	CB	GLN	283	70.889	88.660	75.311	1.00	17.99
ATOM	1634	CG	GLN	283	72.196	87.972	75.692	1.00	18.78
ATOM	1635	CD	GLN	283	72.051	86.486	75.904	1.00	16.42
ATOM	1636	OE1	GLN	283	72.606	85.697	75.154	1.00	16.50
ATOM	1637	NE2	GLN	283	71.322	86.098	76.944	1.00	17.31
ATOM	1638	C	GLN	283	71.915	90.331	73.792	1.00	17.41
ATOM	1639	O	GLN	283	73.138	90.426	73.856	1.00	17.81
ATOM	1640	N	ILE	284	71.249	90.358	72.647	1.00	18.52
ATOM	1641	CA	ILE	284	71.935	90.546	71.373	1.00	19.90
ATOM	1642	CB	ILE	284	70.915	90.586	70.194	1.00	19.91
ATOM	1643	CG2	ILE	284	71.604	91.001	68.900	1.00	20.36
ATOM	1644	CG1	ILE	284	70.239	89.215	70.052	1.00	18.80
ATOM	1645	CD1	ILE	284	69.221	89.133	68.948	1.00	20.66
ATOM	1646	C	ILE	284	72.749	91.841	71.426	1.00	19.77
ATOM	1647	O	ILE	284	73.962	91.831	71.201	1.00	21.96
ATOM	1648	N	ASN	285	72.097	92.934	71.811	1.00	18.02
ATOM	1649	CA	ASN	285	72.767	94.219	71.901	1.00	16.86

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 A ion No. : 09/678,016 Filed October 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 29/118

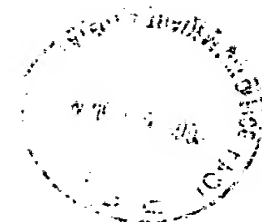


FIG. 1A-29

ATOM	1650	CB	ASN	285	71.758	95.335	72.136	1.00	9.23
ATOM	1651	CG	ASN	285	70.839	95.538	70.963	1.00	10.63
ATOM	1652	OD1	ASN	285	71.251	95.416	69.805	1.00	14.11
ATOM	1653	ND2	ASN	285	69.577	95.842	71.246	1.00	12.07
ATOM	1654	C	ASN	285	73.842	94.223	72.980	1.00	19.52
ATOM	1655	O	ASN	285	74.877	94.881	72.838	1.00	21.75
ATOM	1656	N	MET	286	73.610	93.474	74.051	1.00	20.87
ATOM	1657	CA	MET	286	74.582	93.388	75.132	1.00	24.40
ATOM	1658	CB	MET	286	73.979	92.662	76.335	1.00	25.20
ATOM	1659	CG	MET	286	74.934	92.449	77.501	1.00	29.91
ATOM	1660	SD	MET	286	75.778	93.921	78.086	1.00	26.75
ATOM	1661	CE	MET	286	74.626	94.506	79.322	1.00	30.56
ATOM	1662	C	MET	286	75.831	92.666	74.621	1.00	27.07
ATOM	1663	O	MET	286	76.958	93.069	74.930	1.00	27.63
ATOM	1664	N	ILE	287	75.621	91.634	73.803	1.00	28.55
ATOM	1665	CA	ILE	287	76.712	90.856	73.215	1.00	28.03
ATOM	1666	CB	ILE	287	76.175	89.730	72.294	1.00	26.14
ATOM	1667	CG2	ILE	287	77.310	89.112	71.487	1.00	23.50
ATOM	1668	CG1	ILE	287	75.472	88.648	73.114	1.00	26.20
ATOM	1669	CD1	ILE	287	76.414	87.729	73.835	1.00	24.06
ATOM	1670	C	ILE	287	77.556	91.794	72.362	1.00	29.78
ATOM	1671	O	ILE	287	78.770	91.906	72.559	1.00	30.63
ATOM	1672	N	LYS	288	76.892	92.483	71.437	1.00	31.89
ATOM	1673	CA	LYS	288	77.549	93.417	70.523	1.00	34.53
ATOM	1674	CB	LYS	288	76.521	94.076	69.603	1.00	33.65
ATOM	1675	CG	LYS	288	75.860	93.124	68.623	1.00	33.76
ATOM	1676	CD	LYS	288	74.914	93.876	67.713	1.00	38.36
ATOM	1677	CE	LYS	288	74.279	92.962	66.684	1.00	43.07
ATOM	1678	NZ	LYS	288	73.338	93.710	65.798	1.00	47.95
ATOM	1679	C	LYS	288	78.343	94.485	71.265	1.00	37.00
ATOM	1680	O	LYS	288	79.420	94.897	70.819	1.00	39.41
ATOM	1681	N	TYR	289	77.790	94.945	72.383	1.00	36.27
ATOM	1682	CA	TYR	289	78.436	95.944	73.219	1.00	34.85
ATOM	1683	CB	TYR	289	77.514	96.292	74.390	1.00	32.73
ATOM	1684	CG	TYR	289	78.159	97.114	75.482	1.00	30.62
ATOM	1685	CD1	TYR	289	78.359	98.484	75.327	1.00	31.85
ATOM	1686	CE1	TYR	289	78.943	99.243	76.325	1.00	28.71
ATOM	1687	CD2	TYR	289	78.574	96.522	76.668	1.00	31.04
ATOM	1688	CE2	TYR	289	79.162	97.273	77.675	1.00	31.98
ATOM	1689	CZ	TYR	289	79.348	98.630	77.494	1.00	30.03
ATOM	1690	OH	TYR	289	79.931	99.374	78.485	1.00	32.92
ATOM	1691	C	TYR	289	79.770	95.401	73.744	1.00	35.05
ATOM	1692	O	TYR	289	80.833	95.979	73.507	1.00	34.75
ATOM	1693	N	MET	290	79.697	94.261	74.421	1.00	35.07
ATOM	1694	CA	MET	290	80.858	93.611	75.011	1.00	34.69
ATOM	1695	CB	MET	290	80.422	92.339	75.727	1.00	33.03
ATOM	1696	CG	MET	290	79.436	92.601	76.840	1.00	31.76
ATOM	1697	SD	MET	290	78.883	91.099	77.601	1.00	31.65
ATOM	1698	CE	MET	290	80.424	90.507	78.341	1.00	30.46
ATOM	1699	C	MET	290	81.958	93.295	74.012	1.00	36.51
ATOM	1700	O	MET	290	83.141	93.486	74.308	1.00	37.23
ATOM	1701	N	LYS	291	81.577	92.788	72.843	1.00	36.05
ATOM	1702	CA	LYS	291	82.550	92.458	71.803	1.00	34.69
ATOM	1703	CB	LYS	291	81.856	91.770	70.626	1.00	35.82
ATOM	1704	CG	LYS	291	82.396	90.391	70.284	1.00	36.35
ATOM	1705	CD	LYS	291	82.164	89.404	71.417	1.00	38.70
ATOM	1706	CE	LYS	291	83.442	89.107	72.198	1.00	38.01
ATOM	1707	NZ	LYS	291	84.404	88.262	71.437	1.00	33.80
ATOM	1708	C	LYS	291	83.243	93.733	71.328	1.00	34.40

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 1A-30

ATOM	1709	O	LYS	291	84.393	93.699	70.897	1.00	33.76
ATOM	1710	N	GLU	292	82.528	94.853	71.401	1.00	34.73
ATOM	1711	CA	GLU	292	83.063	96.145	70.998	1.00	35.38
ATOM	1712	CB	GLU	292	81.933	97.156	70.798	1.00	41.72
ATOM	1713	CG	GLU	292	82.425	98.589	70.606	1.00	53.68
ATOM	1714	CD	GLU	292	81.320	99.627	70.724	1.00	64.47
ATOM	1715	OE1	GLU	292	81.251	100.519	69.847	1.00	68.28
ATOM	1716	OE2	GLU	292	80.533	99.564	71.698	1.00	69.72
ATOM	1717	C	GLU	292	84.021	96.681	72.051	1.00	33.49
ATOM	1718	O	GLU	292	85.194	96.928	71.773	1.00	32.22
ATOM	1719	N	LYS	293	83.503	96.868	73.259	1.00	32.85
ATOM	1720	CA	LYS	293	84.286	97.395	74.372	1.00	32.45
ATOM	1721	CB	LYS	293	83.386	97.603	75.592	1.00	30.22
ATOM	1722	CG	LYS	293	83.986	98.489	76.659	1.00	29.87
ATOM	1723	CD	LYS	293	83.036	98.648	77.822	1.00	32.75
ATOM	1724	CE	LYS	293	83.579	99.596	78.874	1.00	34.50
ATOM	1725	NZ	LYS	293	83.695	100.990	78.367	1.00	40.11
ATOM	1726	C	LYS	293	85.458	96.493	74.745	1.00	32.68
ATOM	1727	O	LYS	293	86.563	96.971	74.990	1.00	33.81
ATOM	1728	N	TYR	294	85.212	95.190	74.781	1.00	32.79
ATOM	1729	CA	TYR	294	86.233	94.216	75.135	1.00	33.40
ATOM	1730	CB	TYR	294	85.822	93.506	76.428	1.00	30.64
ATOM	1731	CG	TYR	294	85.685	94.421	77.628	1.00	27.56
ATOM	1732	CD1	TYR	294	86.817	94.950	78.251	1.00	27.07
ATOM	1733	CE1	TYR	294	86.713	95.786	79.358	1.00	25.34
ATOM	1734	CD2	TYR	294	84.432	94.754	78.146	1.00	26.35
ATOM	1735	CE2	TYR	294	84.314	95.591	79.259	1.00	25.10
ATOM	1736	CZ	TYR	294	85.463	96.102	79.856	1.00	27.67
ATOM	1737	OH	TYR	294	85.378	96.923	80.955	1.00	29.72
ATOM	1738	C	TYR	294	86.385	93.202	74.005	1.00	35.70
ATOM	1739	O	TYR	294	86.004	92.048	74.153	1.00	36.93
ATOM	1740	N	PRO	295	87.047	93.594	72.904	1.00	37.78
ATOM	1741	CD	PRO	295	87.797	94.854	72.787	1.00	38.64
ATOM	1742	CA	PRO	295	87.276	92.755	71.720	1.00	38.05
ATOM	1743	CB	PRO	295	88.340	93.532	70.952	1.00	38.38
ATOM	1744	CG	PRO	295	88.039	94.939	71.301	1.00	41.28
ATOM	1745	C	PRO	295	87.749	91.334	71.982	1.00	39.01
ATOM	1746	O	PRO	295	87.333	90.401	71.295	1.00	41.67
ATOM	1747	N	ASN	296	88.625	91.172	72.965	1.00	37.89
ATOM	1748	CA	ASN	296	89.174	89.859	73.274	1.00	38.39
ATOM	1749	CB	ASN	296	90.623	89.999	73.747	1.00	45.75
ATOM	1750	CG	ASN	296	91.562	90.469	72.645	1.00	53.22
ATOM	1751	OD1	ASN	296	91.127	91.015	71.627	1.00	58.39
ATOM	1752	ND2	ASN	296	92.860	90.266	72.850	1.00	54.67
ATOM	1753	C	ASN	296	88.393	89.020	74.280	1.00	37.03
ATOM	1754	O	ASN	296	88.561	87.796	74.329	1.00	39.51
ATOM	1755	N	LEU	297	87.531	89.664	75.066	1.00	33.27
ATOM	1756	CA	LEU	297	86.754	88.965	76.086	1.00	27.99
ATOM	1757	CB	LEU	297	85.902	89.945	76.898	1.00	23.39
ATOM	1758	CG	LEU	297	85.183	89.404	78.137	1.00	19.80
ATOM	1759	CD1	LEU	297	86.188	88.783	79.104	1.00	12.69
ATOM	1760	CD2	LEU	297	84.389	90.524	78.805	1.00	14.38
ATOM	1761	C	LEU	297	85.872	87.884	75.492	1.00	27.28
ATOM	1762	O	LEU	297	85.189	88.096	74.491	1.00	28.13
ATOM	1763	N	GLN	298	85.906	86.715	76.116	1.00	26.76
ATOM	1764	CA	GLN	298	85.122	85.577	75.670	1.00	23.04
ATOM	1765	CB	GLN	298	85.814	84.292	76.090	1.00	22.03
ATOM	1766	CG	GLN	298	87.125	84.068	75.373	1.00	20.61
ATOM	1767	CD	GLN	298	86.930	83.836	73.887	1.00	23.42

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 File : October 2, 2000
 For : MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
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 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 31/118

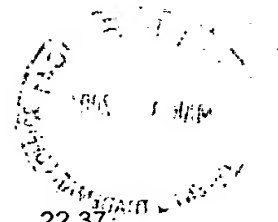


FIG. 1A-31

ATOM	1768	OE1	GLN	298	86.604	82.728	73.459	1.00	22.37
ATOM	1769	NE2	GLN	298	87.125	84.877	73.092	1.00	23.24
ATOM	1770	C	GLN	298	83.719	85.643	76.249	1.00	22.42
ATOM	1771	O	GLN	298	83.544	85.639	77.468	1.00	22.91
ATOM	1772	N	VAL	299	82.728	85.712	75.365	1.00	20.33
ATOM	1773	CA	VAL	299	81.333	85.797	75.767	1.00	17.94
ATOM	1774	CB	VAL	299	80.690	87.048	75.161	1.00	18.36
ATOM	1775	CG1	VAL	299	79.317	87.271	75.737	1.00	16.17
ATOM	1776	CG2	VAL	299	81.578	88.257	75.410	1.00	20.86
ATOM	1777	C	VAL	299	80.523	84.549	75.379	1.00	17.77
ATOM	1778	O	VAL	299	80.683	83.997	74.287	1.00	17.61
ATOM	1779	N	ILE	300	79.655	84.121	76.291	1.00	15.64
ATOM	1780	CA	ILE	300	78.803	82.955	76.113	1.00	11.70
ATOM	1781	CB	ILE	300	79.026	81.983	77.276	1.00	5.27
ATOM	1782	CG2	ILE	300	78.130	80.794	77.157	1.00	9.90
ATOM	1783	CG1	ILE	300	80.485	81.544	77.289	1.00	3.10
ATOM	1784	CD1	ILE	300	80.845	80.697	78.471	1.00	6.58
ATOM	1785	C	ILE	300	77.340	83.423	76.059	1.00	13.85
ATOM	1786	O	ILE	300	76.928	84.238	76.876	1.00	13.73
ATOM	1787	N	GLY	301	76.569	82.902	75.105	1.00	16.05
ATOM	1788	CA	GLY	301	75.184	83.312	74.929	1.00	18.06
ATOM	1789	C	GLY	301	74.134	82.665	75.804	1.00	20.81
ATOM	1790	O	GLY	301	74.131	81.445	75.958	1.00	21.22
ATOM	1791	N	GLY	302	73.240	83.512	76.330	1.00	23.53
ATOM	1792	CA	GLY	302	72.133	83.145	77.218	1.00	22.62
ATOM	1793	C	GLY	302	71.470	81.838	76.874	1.00	23.12
ATOM	1794	O	GLY	302	71.613	81.391	75.733	1.00	26.43
ATOM	1795	N	ASN	303	70.684	81.263	77.791	1.00	18.57
ATOM	1796	CA	ASN	303	70.089	79.951	77.516	1.00	14.15
ATOM	1797	CB	ASN	303	69.434	79.345	78.750	1.00	10.27
ATOM	1798	CG	ASN	303	70.445	78.700	79.679	1.00	13.65
ATOM	1799	OD1	ASN	303	70.297	77.553	80.098	1.00	14.49
ATOM	1800	ND2	ASN	303	71.503	79.438	79.989	1.00	12.02
ATOM	1801	C	ASN	303	69.212	79.796	76.301	1.00	12.10
ATOM	1802	O	ASN	303	68.194	80.475	76.161	1.00	13.68
ATOM	1803	N	VAL	304	69.668	78.936	75.390	1.00	9.70
ATOM	1804	CA	VAL	304	68.963	78.635	74.149	1.00	9.71
ATOM	1805	CB	VAL	304	69.712	79.185	72.881	1.00	9.64
ATOM	1806	CG1	VAL	304	69.948	80.697	72.987	1.00	5.85
ATOM	1807	CG2	VAL	304	71.030	78.454	72.654	1.00	4.29
ATOM	1808	C	VAL	304	68.774	77.123	73.999	1.00	10.42
ATOM	1809	O	VAL	304	69.493	76.325	74.619	1.00	8.79
ATOM	1810	N	VAL	305	67.785	76.731	73.200	1.00	10.37
ATOM	1811	CA	VAL	305	67.510	75.313	72.963	1.00	9.42
ATOM	1812	CB	VAL	305	66.380	74.769	73.899	1.00	9.04
ATOM	1813	CG1	VAL	305	66.785	74.892	75.349	1.00	6.04
ATOM	1814	CG2	VAL	305	65.069	75.492	73.652	1.00	9.90
ATOM	1815	C	VAL	305	67.187	74.978	71.498	1.00	9.35
ATOM	1816	O	VAL	305	66.936	73.823	71.172	1.00	9.44
ATOM	1817	N	THR	306	67.212	75.977	70.617	1.00	9.59
ATOM	1818	CA	THR	306	66.929	75.762	69.197	1.00	11.26
ATOM	1819	CB	THR	306	65.522	76.277	68.796	1.00	15.29
ATOM	1820	OG1	THR	306	65.485	77.702	68.918	1.00	24.72
ATOM	1821	CG2	THR	306	64.427	75.679	69.673	1.00	13.39
ATOM	1822	C	THR	306	67.960	76.493	68.331	1.00	12.58
ATOM	1823	O	THR	306	68.531	77.502	68.748	1.00	11.97
ATOM	1824	N	ALA	307	68.164	76.001	67.112	1.00	13.41
ATOM	1825	CA	ALA	307	69.118	76.593	66.181	1.00	12.33
ATOM	1826	CB	ALA	307	69.226	75.725	64.947	1.00	10.43

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 1A-32

ATOM	1827	C	ALA	307	68.764	78.035	65.794	1.00	14.20
ATOM	1828	O	ALA	307	69.645	78.870	65.605	1.00	17.80
ATOM	1829	N	ALA	308	67.477	78.328	65.670	1.00	14.93
ATOM	1830	CA	ALA	308	67.031	79.671	65.324	1.00	14.54
ATOM	1831	CB	ALA	308	65.529	79.700	65.176	1.00	11.96
ATOM	1832	C	ALA	308	67.488	80.675	66.390	1.00	17.15
ATOM	1833	O	ALA	308	67.893	81.790	66.060	1.00	18.96
ATOM	1834	N	GLN	309	67.412	80.281	67.663	1.00	17.15
ATOM	1835	CA	GLN	309	67.844	81.146	68.762	1.00	17.48
ATOM	1836	CB	GLN	309	67.486	80.545	70.117	1.00	15.04
ATOM	1837	CG	GLN	309	66.015	80.443	70.439	1.00	11.07
ATOM	1838	CD	GLN	309	65.813	79.776	71.777	1.00	11.92
ATOM	1839	OE1	GLN	309	65.754	80.431	72.816	1.00	15.82
ATOM	1840	NE2	GLN	309	65.783	78.461	71.769	1.00	11.54
ATOM	1841	C	GLN	309	69.361	81.291	68.704	1.00	19.46
ATOM	1842	O	GLN	309	69.899	82.400	68.800	1.00	22.14
ATOM	1843	N	ALA	310	70.048	80.162	68.577	1.00	18.81
ATOM	1844	CA	ALA	310	71.502	80.158	68.510	1.00	19.07
ATOM	1845	CB	ALA	310	72.027	78.744	68.259	1.00	16.86
ATOM	1846	C	ALA	310	71.997	81.107	67.429	1.00	20.18
ATOM	1847	O	ALA	310	72.896	81.907	67.685	1.00	21.07
ATOM	1848	N	LYS	311	71.368	81.071	66.253	1.00	19.18
ATOM	1849	CA	LYS	311	71.776	81.935	65.150	1.00	18.89
ATOM	1850	CB	LYS	311	70.870	81.777	63.934	1.00	19.89
ATOM	1851	CG	LYS	311	71.413	82.571	62.752	1.00	22.42
ATOM	1852	CD	LYS	311	70.399	82.826	61.664	1.00	23.48
ATOM	1853	CE	LYS	311	71.067	83.538	60.499	1.00	26.29
ATOM	1854	NZ	LYS	311	72.227	82.755	59.948	1.00	28.08
ATOM	1855	C	LYS	311	71.838	83.414	65.508	1.00	18.94
ATOM	1856	O	LYS	311	72.763	84.113	65.096	1.00	20.88
ATOM	1857	N	ASN	312	70.843	83.912	66.235	1.00	17.97
ATOM	1858	CA	ASN	312	70.849	85.319	66.611	1.00	19.27
ATOM	1859	CB	ASN	312	69.543	85.713	67.295	1.00	21.83
ATOM	1860	CG	ASN	312	68.409	85.916	66.311	1.00	28.87
ATOM	1861	OD1	ASN	312	67.238	85.717	66.642	1.00	31.90
ATOM	1862	ND2	ASN	312	68.747	86.338	65.094	1.00	29.09
ATOM	1863	C	ASN	312	72.037	85.665	67.497	1.00	20.98
ATOM	1864	O	ASN	312	72.734	86.661	67.258	1.00	22.46
ATOM	1865	N	LEU	313	72.292	84.821	68.494	1.00	21.52
ATOM	1866	CA	LEU	313	73.399	85.032	69.420	1.00	20.77
ATOM	1867	CB	LEU	313	73.259	84.117	70.639	1.00	17.46
ATOM	1868	CG	LEU	313	71.923	84.136	71.385	1.00	6.88
ATOM	1869	CD1	LEU	313	72.126	83.569	72.760	1.00	9.49
ATOM	1870	CD2	LEU	313	71.395	85.532	71.497	1.00	3.00
ATOM	1871	C	LEU	313	74.745	84.807	68.723	1.00	22.50
ATOM	1872	O	LEU	313	75.739	85.481	69.022	1.00	24.58
ATOM	1873	N	ILE	314	74.781	83.856	67.798	1.00	21.23
ATOM	1874	CA	ILE	314	75.993	83.579	67.049	1.00	20.90
ATOM	1875	CB	ILE	314	75.846	82.316	66.175	1.00	21.15
ATOM	1876	CG2	ILE	314	76.962	82.257	65.143	1.00	23.20
ATOM	1877	CG1	ILE	314	75.842	81.062	67.062	1.00	20.42
ATOM	1878	CD1	ILE	314	75.839	79.736	66.299	1.00	14.79
ATOM	1879	C	ILE	314	76.281	84.806	66.181	1.00	22.74
ATOM	1880	O	ILE	314	77.417	85.285	66.129	1.00	23.40
ATOM	1881	N	ASP	315	75.241	85.338	65.540	1.00	22.48
ATOM	1882	CA	ASP	315	75.378	86.528	64.700	1.00	22.51
ATOM	1883	CB	ASP	315	74.060	86.854	63.997	1.00	21.37
ATOM	1884	CG	ASP	315	73.766	85.937	62.828	1.00	20.01
ATOM	1885	OD1	ASP	315	74.687	85.252	62.339	1.00	20.88

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 App. No. : 09/678,016 Filed October 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 33/118

FIG. 1A-33

ATOM	1886	OD2	ASP	315	72.605	85.925	62.377	1.00	17.86
ATOM	1887	C	ASP	315	75.790	87.723	65.555	1.00	23.82
ATOM	1888	O	ASP	315	76.536	88.585	65.104	1.00	24.06
ATOM	1889	N	ALA	316	75.270	87.787	66.779	1.00	23.31
ATOM	1890	CA	ALA	316	75.602	88.868	67.691	1.00	21.76
ATOM	1891	CB	ALA	316	74.737	88.798	68.928	1.00	23.15
ATOM	1892	C	ALA	316	77.074	88.770	68.063	1.00	22.92
ATOM	1893	O	ALA	316	77.651	89.726	68.558	1.00	24.54
ATOM	1894	N	GLY	317	77.658	87.587	67.881	1.00	24.30
ATOM	1895	CA	GLY	317	79.073	87.395	68.160	1.00	24.83
ATOM	1896	C	GLY	317	79.476	86.539	69.350	1.00	24.46
ATOM	1897	O	GLY	317	80.532	86.763	69.931	1.00	25.80
ATOM	1898	N	VAL	318	78.672	85.545	69.710	1.00	22.39
ATOM	1899	CA	VAL	318	79.015	84.702	70.850	1.00	18.88
ATOM	1900	CB	VAL	318	77.820	83.880	71.330	1.00	16.89
ATOM	1901	CG1	VAL	318	76.731	84.793	71.846	1.00	15.19
ATOM	1902	CG2	VAL	318	77.301	83.005	70.206	1.00	17.48
ATOM	1903	C	VAL	318	80.185	83.760	70.586	1.00	18.75
ATOM	1904	O	VAL	318	80.346	83.231	69.483	1.00	18.57
ATOM	1905	N	ASP	319	80.996	83.551	71.617	1.00	17.81
ATOM	1906	CA	ASP	319	82.148	82.665	71.529	1.00	16.90
ATOM	1907	CB	ASP	319	83.286	83.188	72.406	1.00	20.18
ATOM	1908	CG	ASP	319	83.865	84.483	71.895	1.00	21.11
ATOM	1909	OD1	ASP	319	84.463	84.475	70.797	1.00	24.71
ATOM	1910	OD2	ASP	319	83.727	85.508	72.594	1.00	21.10
ATOM	1911	C	ASP	319	81.802	81.242	71.951	1.00	14.69
ATOM	1912	O	ASP	319	82.640	80.353	71.870	1.00	16.26
ATOM	1913	N	ALA	320	80.593	81.055	72.464	1.00	11.91
ATOM	1914	CA	ALA	320	80.102	79.758	72.914	1.00	7.79
ATOM	1915	CB	ALA	320	80.830	79.315	74.163	1.00	3.09
ATOM	1916	C	ALA	320	78.632	79.953	73.218	1.00	8.10
ATOM	1917	O	ALA	320	78.165	81.092	73.284	1.00	9.40
ATOM	1918	N	LEU	321	77.900	78.856	73.404	1.00	8.90
ATOM	1919	CA	LEU	321	76.467	78.917	73.713	1.00	6.89
ATOM	1920	CB	LEU	321	75.645	78.427	72.529	1.00	2.00
ATOM	1921	CG	LEU	321	75.538	79.283	71.268	1.00	2.00
ATOM	1922	CD1	LEU	321	75.062	78.394	70.158	1.00	4.37
ATOM	1923	CD2	LEU	321	74.589	80.461	71.444	1.00	2.00
ATOM	1924	C	LEU	321	76.121	78.088	74.947	1.00	8.16
ATOM	1925	O	LEU	321	76.665	77.008	75.144	1.00	10.39
ATOM	1926	N	ARG	322	75.258	78.618	75.804	1.00	7.97
ATOM	1927	CA	ARG	322	74.836	77.907	77.001	1.00	7.47
ATOM	1928	CB	ARG	322	74.697	78.883	78.168	1.00	9.30
ATOM	1929	CG	ARG	322	74.550	78.234	79.535	1.00	15.10
ATOM	1930	CD	ARG	322	74.657	79.288	80.642	1.00	18.83
ATOM	1931	NE	ARG	322	74.309	78.765	81.965	1.00	18.29
ATOM	1932	CZ	ARG	322	73.750	79.488	82.932	1.00	17.03
ATOM	1933	NH1	ARG	322	73.483	80.771	82.740	1.00	18.79
ATOM	1934	NH2	ARG	322	73.411	78.921	84.078	1.00	16.70
ATOM	1935	C	ARG	322	73.486	77.329	76.602	1.00	8.75
ATOM	1936	O	ARG	322	72.535	78.071	76.373	1.00	10.16
ATOM	1937	N	VAL	323	73.424	76.012	76.455	1.00	8.83
ATOM	1938	CA	VAL	323	72.209	75.346	76.023	1.00	10.03
ATOM	1939	CB	VAL	323	72.523	74.365	74.871	1.00	9.77
ATOM	1940	CG1	VAL	323	71.306	73.549	74.507	1.00	16.85
ATOM	1941	CG2	VAL	323	72.993	75.137	73.653	1.00	7.40
ATOM	1942	C	VAL	323	71.473	74.633	77.153	1.00	13.18
ATOM	1943	O	VAL	323	72.053	73.803	77.853	1.00	15.89
ATOM	1944	N	GLY	324	70.196	74.969	77.327	1.00	12.40

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1A-34

ATOM	1945	CA	GLY	324	69.392	74.347	78.362	1.00	13.80
ATOM	1946	C	GLY	324	68.211	75.201	78.791	1.00	14.53
ATOM	1947	O	GLY	324	68.367	76.397	78.997	1.00	17.39
ATOM	1948	N	MET	325	67.026	74.613	78.901	1.00	11.83
ATOM	1949	CA	MET	325	65.868	75.368	79.341	1.00	13.08
ATOM	1950	CB	MET	325	65.201	76.124	78.186	1.00	12.41
ATOM	1951	CG	MET	325	64.150	77.118	78.678	1.00	10.52
ATOM	1952	SD	MET	325	63.227	78.025	77.440	1.00	13.36
ATOM	1953	CE	MET	325	62.495	79.307	78.488	1.00	7.16
ATOM	1954	C	MET	325	64.829	74.561	80.130	1.00	15.26
ATOM	1955	O	MET	325	64.051	73.781	79.563	1.00	15.50
ATOM	1956	N	GLY	326	64.848	74.751	81.447	1.00	15.85
ATOM	1957	CA	GLY	326	63.899	74.093	82.323	1.00	17.08
ATOM	1958	C	GLY	326	64.165	72.651	82.677	1.00	18.22
ATOM	1959	O	GLY	326	63.270	71.957	83.148	1.00	18.82
ATOM	1960	N	CYS	327	65.401	72.206	82.515	1.00	20.56
ATOM	1961	CA	CYS	327	65.746	70.823	82.821	1.00	22.33
ATOM	1962	CB	CYS	327	66.443	70.194	81.622	1.00	20.50
ATOM	1963	SG	CYS	327	67.878	71.121	81.089	1.00	21.45
ATOM	1964	C	CYS	327	66.633	70.710	84.061	1.00	24.86
ATOM	1965	O	CYS	327	66.992	69.597	84.487	1.00	26.55
ATOM	1966	N	GLY	328	67.007	71.859	84.619	1.00	23.64
ATOM	1967	CA	GLY	328	67.846	71.867	85.802	1.00	23.90
ATOM	1968	C	GLY	328	67.066	71.347	86.988	1.00	23.07
ATOM	1969	O	GLY	328	65.913	71.735	87.168	1.00	23.22
ATOM	1970	N	SER	329	67.706	70.528	87.822	1.00	23.68
ATOM	1971	CA	SER	329	67.077	69.925	89.000	1.00	22.19
ATOM	1972	CB	SER	329	68.150	69.406	89.964	1.00	19.55
ATOM	1973	OG	SER	329	69.028	70.440	90.356	1.00	23.14
ATOM	1974	C	SER	329	66.077	70.812	89.747	1.00	23.28
ATOM	1975	O	SER	329	64.978	70.362	90.065	1.00	25.72
ATOM	1976	N	ILE	330	66.444	72.070	89.992	1.00	22.81
ATOM	1977	CA	ILE	330	65.584	73.024	90.700	1.00	19.85
ATOM	1978	CB	ILE	330	66.410	74.017	91.589	1.00	15.67
ATOM	1979	CG2	ILE	330	66.509	73.500	93.001	1.00	18.25
ATOM	1980	CG1	ILE	330	67.795	74.289	90.994	1.00	7.11
ATOM	1981	CD1	ILE	330	67.776	74.921	89.639	1.00	5.46
ATOM	1982	C	ILE	330	64.703	73.869	89.786	1.00	20.60
ATOM	1983	O	ILE	330	64.225	74.923	90.201	1.00	23.53
ATOM	1984	N	IMP	331	64.425	73.400	88.579	1.00	19.32
ATOM	1985	CA	IMP	331	63.641	74.206	87.649	1.00	20.33
ATOM	1986	C	IMP	331	62.148	73.909	87.498	1.00	21.39
ATOM	1987	O	IMP	331	61.737	72.757	87.342	1.00	22.62
ATOM	1988	CB	IMP	331	64.310	74.200	86.277	1.00	19.26
ATOM	1989	SG	IMP	331	64.038	75.775	85.516	1.00	16.83
ATOM	1990	P	IMP	331	71.205	71.206	87.339	1.00	24.40
ATOM	1991	O1P	IMP	331	70.381	70.028	86.885	1.00	22.40
ATOM	1992	O2P	IMP	331	72.615	71.144	86.864	1.00	18.66
ATOM	1993	O3P	IMP	331	71.172	71.333	88.803	1.00	19.75
ATOM	1994	O5*	IMP	331	70.688	72.534	86.798	1.00	22.96
ATOM	1995	C5*	IMP	331	71.500	73.726	87.024	1.00	14.95
ATOM	1996	C4*	IMP	331	71.156	74.601	85.831	1.00	11.32
ATOM	1997	O4*	IMP	331	69.758	74.898	85.861	1.00	12.20
ATOM	1998	C3*	IMP	331	71.865	75.962	85.934	1.00	12.62
ATOM	1999	O3*	IMP	331	73.078	76.011	85.208	1.00	10.24
ATOM	2000	C2*	IMP	331	70.883	76.903	85.210	1.00	13.74
ATOM	2001	O2*	IMP	331	70.752	76.706	83.816	1.00	11.66
ATOM	2002	C1*	IMP	331	69.602	76.308	85.761	1.00	14.52
ATOM	2003	N9	IMP	331	68.832	77.205	86.612	1.00	18.13

APPROVED	C. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed : September 2, 2000
 For : MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
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 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 35/118

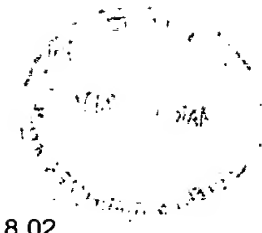


FIG. 1A-35

ATOM	2004	C8	IMP	331	69.321	78.030	87.599	1.00	18.02
ATOM	2005	N7	IMP	331	68.331	78.568	88.322	1.00	16.06
ATOM	2006	C5	IMP	331	67.170	78.093	87.806	1.00	19.77
ATOM	2007	C6	IMP	331	65.799	78.289	88.156	1.00	22.26
ATOM	2008	O6	IMP	331	65.412	78.995	89.085	1.00	17.37
ATOM	2009	N1	IMP	331	64.941	77.579	87.374	1.00	25.96
ATOM	2010	C2	IMP	331	65.296	76.706	86.299	1.00	23.29
ATOM	2011	N3	IMP	331	66.567	76.524	85.957	1.00	24.20
ATOM	2012	C4	IMP	331	67.498	77.200	86.693	1.00	21.15
ATOM	2013	N	ILE	332	61.333	74.959	87.564	1.00	19.04
ATOM	2014	CA	ILE	332	59.899	74.811	87.391	1.00	18.02
ATOM	2015	CB	ILE	332	59.071	75.097	88.696	1.00	16.99
ATOM	2016	CG2	ILE	332	59.423	74.093	89.793	1.00	12.90
ATOM	2017	CG1	ILE	332	59.283	76.525	89.191	1.00	14.79
ATOM	2018	CD1	ILE	332	58.212	77.005	90.159	1.00	8.04
ATOM	2019	C	ILE	332	59.401	75.675	86.226	1.00	20.21
ATOM	2020	O	ILE	332	58.195	75.848	86.050	1.00	21.52
ATOM	2021	N	THR	333	60.330	76.195	85.420	1.00	20.15
ATOM	2022	CA	THR	333	59.993	77.020	84.251	1.00	19.79
ATOM	2023	CB	THR	333	61.287	77.491	83.467	1.00	20.47
ATOM	2024	OG1	THR	333	61.948	78.537	84.191	1.00	18.21
ATOM	2025	CG2	THR	333	60.949	77.996	82.058	1.00	16.88
ATOM	2026	C	THR	333	59.060	76.275	83.281	1.00	18.99
ATOM	2027	O	THR	333	58.124	76.861	82.737	1.00	19.34
ATOM	2028	N	GLN	334	59.308	74.988	83.063	1.00	16.88
ATOM	2029	CA	GLN	334	58.469	74.229	82.150	1.00	16.64
ATOM	2030	CB	GLN	334	59.077	72.850	81.863	1.00	15.49
ATOM	2031	CG	GLN	334	60.004	72.864	80.658	1.00	16.53
ATOM	2032	CD	GLN	334	60.874	71.628	80.536	1.00	18.34
ATOM	2033	OE1	GLN	334	62.091	71.729	80.344	1.00	16.42
ATOM	2034	NE2	GLN	334	60.257	70.461	80.604	1.00	20.90
ATOM	2035	C	GLN	334	57.046	74.122	82.667	1.00	16.88
ATOM	2036	O	GLN	334	56.091	74.293	81.916	1.00	15.78
ATOM	2037	N	GLU	335	56.910	73.919	83.971	1.00	19.92
ATOM	2038	CA	GLU	335	55.596	73.795	84.583	1.00	21.69
ATOM	2039	CB	GLU	335	55.699	73.203	85.987	1.00	25.79
ATOM	2040	CG	GLU	335	56.398	71.865	86.047	1.00	32.28
ATOM	2041	CD	GLU	335	57.745	71.971	86.700	1.00	37.56
ATOM	2042	OE1	GLU	335	58.715	72.312	85.988	1.00	35.47
ATOM	2043	OE2	GLU	335	57.826	71.736	87.930	1.00	40.35
ATOM	2044	C	GLU	335	54.878	75.123	84.675	1.00	20.91
ATOM	2045	O	GLU	335	53.680	75.192	84.440	1.00	23.86
ATOM	2046	N	VAL	336	55.608	76.176	85.022	1.00	20.29
ATOM	2047	CA	VAL	336	55.003	77.488	85.167	1.00	18.99
ATOM	2048	CB	VAL	336	55.776	78.368	86.175	1.00	19.44
ATOM	2049	CG1	VAL	336	55.043	79.675	86.381	1.00	23.03
ATOM	2050	CG2	VAL	336	55.922	77.651	87.510	1.00	16.34
ATOM	2051	C	VAL	336	54.822	78.232	83.851	1.00	16.99
ATOM	2052	O	VAL	336	53.752	78.764	83.595	1.00	17.91
ATOM	2053	N	LEU	337	55.837	78.239	82.997	1.00	14.89
ATOM	2054	CA	LEU	337	55.720	78.960	81.732	1.00	15.59
ATOM	2055	CB	LEU	337	56.918	79.902	81.534	1.00	14.85
ATOM	2056	CG	LEU	337	57.263	80.856	82.688	1.00	13.73
ATOM	2057	CD1	LEU	337	58.394	81.763	82.271	1.00	14.07
ATOM	2058	CD2	LEU	337	56.062	81.687	83.108	1.00	13.59
ATOM	2059	C	LEU	337	55.468	78.133	80.467	1.00	14.97
ATOM	2060	O	LEU	337	55.399	78.690	79.371	1.00	16.68
ATOM	2061	N	ALA	338	55.386	76.812	80.599	1.00	12.41
ATOM	2062	CA	ALA	338	55.109	75.933	79.456	1.00	12.62

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed : November 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BIN POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 36/118

FIG. 1A-36

ATOM	2063	CB	ALA	338	53.732	76.248	78.887	1.00	13.39
ATOM	2064	C	ALA	338	56.151	75.975	78.341	1.00	12.44
ATOM	2065	O	ALA	338	55.996	75.339	77.289	1.00	9.63
ATOM	2066	N	CYS	339	57.258	76.644	78.613	1.00	13.50
ATOM	2067	CA	CYS	339	58.298	76.791	77.622	1.00	15.19
ATOM	2068	CB	CYS	339	58.576	78.271	77.418	1.00	15.68
ATOM	2069	SG	CYS	339	59.263	78.657	75.830	1.00	27.20
ATOM	2070	C	CYS	339	59.558	76.077	78.057	1.00	16.02
ATOM	2071	O	CYS	339	59.891	76.073	79.247	1.00	17.04
ATOM	2072	N	GLY	340	60.249	75.480	77.086	1.00	14.98
ATOM	2073	CA	GLY	340	61.480	74.759	77.355	1.00	11.03
ATOM	2074	C	GLY	340	61.656	73.698	76.292	1.00	10.00
ATOM	2075	O	GLY	340	60.972	73.741	75.267	1.00	9.29
ATOM	2076	N	ARG	341	62.555	72.746	76.530	1.00	8.77
ATOM	2077	CA	ARG	341	62.802	71.656	75.581	1.00	8.44
ATOM	2078	CB	ARG	341	63.596	72.172	74.375	1.00	10.17
ATOM	2079	CG	ARG	341	63.945	71.097	73.365	1.00	7.40
ATOM	2080	CD	ARG	341	64.551	71.665	72.100	1.00	6.94
ATOM	2081	NE	ARG	341	64.227	70.798	70.969	1.00	5.84
ATOM	2082	CZ	ARG	341	64.577	71.034	69.712	1.00	2.98
ATOM	2083	NH1	ARG	341	65.284	72.104	69.402	1.00	5.13
ATOM	2084	NH2	ARG	341	64.143	70.240	68.750	1.00	5.18
ATOM	2085	C	ARG	341	63.572	70.514	76.250	1.00	9.48
ATOM	2086	O	ARG	341	64.384	70.756	77.140	1.00	10.70
ATOM	2087	N	PRO	342	63.259	69.246	75.900	1.00	8.96
ATOM	2088	CD	PRO	342	62.112	68.810	75.086	1.00	6.87
ATOM	2089	CA	PRO	342	63.951	68.085	76.480	1.00	6.48
ATOM	2090	CB	PRO	342	63.284	66.923	75.775	1.00	10.15
ATOM	2091	CG	PRO	342	61.877	67.426	75.596	1.00	7.34
ATOM	2092	C	PRO	342	65.446	68.168	76.164	1.00	8.19
ATOM	2093	O	PRO	342	65.847	68.263	75.002	1.00	9.62
ATOM	2094	N	GLN	343	66.267	68.096	77.206	1.00	9.33
ATOM	2095	CA	GLN	343	67.706	68.262	77.080	1.00	10.57
ATOM	2096	CB	GLN	343	68.385	68.138	78.440	1.00	11.05
ATOM	2097	CG	GLN	343	69.766	68.799	78.495	1.00	10.72
ATOM	2098	CD	GLN	343	69.749	70.264	78.090	1.00	16.93
ATOM	2099	OE1	GLN	343	70.788	70.855	77.816	1.00	20.72
ATOM	2100	NE2	GLN	343	68.571	70.865	78.082	1.00	20.86
ATOM	2101	C	GLN	343	68.502	67.524	76.021	1.00	13.27
ATOM	2102	O	GLN	343	69.166	68.160	75.202	1.00	15.52
ATOM	2103	N	ALA	344	68.473	66.198	76.033	1.00	14.40
ATOM	2104	CA	ALA	344	69.240	65.440	75.051	1.00	14.17
ATOM	2105	CB	ALA	344	68.883	63.966	75.124	1.00	15.46
ATOM	2106	C	ALA	344	69.011	65.983	73.643	1.00	14.10
ATOM	2107	O	ALA	344	69.960	66.198	72.891	1.00	14.21
ATOM	2108	N	THR	345	67.756	66.286	73.325	1.00	14.96
ATOM	2109	CA	THR	345	67.413	66.801	72.008	1.00	13.41
ATOM	2110	CB	THR	345	65.905	66.759	71.748	1.00	13.07
ATOM	2111	OG1	THR	345	65.427	65.419	71.914	1.00	18.26
ATOM	2112	CG2	THR	345	65.608	67.217	70.336	1.00	15.37
ATOM	2113	C	THR	345	67.921	68.218	71.831	1.00	12.88
ATOM	2114	O	THR	345	68.411	68.565	70.754	1.00	14.21
ATOM	2115	N	ALA	346	67.811	69.033	72.880	1.00	11.75
ATOM	2116	CA	ALA	346	68.286	70.418	72.817	1.00	9.99
ATOM	2117	CB	ALA	346	68.032	71.126	74.126	1.00	6.11
ATOM	2118	C	ALA	346	69.776	70.435	72.495	1.00	9.20
ATOM	2119	O	ALA	346	70.218	71.139	71.600	1.00	11.48
ATOM	2120	N	VAL	347	70.533	69.590	73.178	1.00	9.88
ATOM	2121	CA	VAL	347	71.969	69.515	72.975	1.00	11.35

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
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 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 37/118

FIG. 1A-37

ATOM	2122	CB	VAL	347	72.623	68.574	73.997	1.00	12.64
ATOM	2123	CG1	VAL	347	74.106	68.431	73.701	1.00	12.61
ATOM	2124	CG2	VAL	347	72.405	69.110	75.406	1.00	12.53
ATOM	2125	C	VAL	347	72.372	69.091	71.571	1.00	12.67
ATOM	2126	O	VAL	347	73.259	69.716	70.974	1.00	13.58
ATOM	2127	N	TYR	348	71.738	68.044	71.042	1.00	11.86
ATOM	2128	CA	TYR	348	72.071	67.559	69.707	1.00	9.76
ATOM	2129	CB	TYR	348	71.371	66.235	69.408	1.00	9.26
ATOM	2130	CG	TYR	348	71.466	65.839	67.953	1.00	10.84
ATOM	2131	CD1	TYR	348	72.667	65.377	67.408	1.00	13.49
ATOM	2132	CE1	TYR	348	72.776	65.071	66.042	1.00	14.55
ATOM	2133	CD2	TYR	348	70.374	65.981	67.105	1.00	10.80
ATOM	2134	CE2	TYR	348	70.469	65.682	65.748	1.00	12.01
ATOM	2135	CZ	TYR	348	71.669	65.229	65.220	1.00	14.93
ATOM	2136	OH	TYR	348	71.751	64.947	63.872	1.00	15.11
ATOM	2137	C	TYR	348	71.735	68.567	68.620	1.00	12.81
ATOM	2138	O	TYR	348	72.572	68.878	67.777	1.00	14.63
ATOM	2139	N	LYS	349	70.508	69.076	68.630	1.00	13.27
ATOM	2140	CA	LYS	349	70.081	70.043	67.622	1.00	14.33
ATOM	2141	CB	LYS	349	68.596	70.349	67.792	1.00	16.10
ATOM	2142	CG	LYS	349	67.689	69.177	67.466	1.00	19.74
ATOM	2143	CD	LYS	349	67.707	68.886	65.974	1.00	25.23
ATOM	2144	CE	LYS	349	66.783	67.735	65.626	1.00	32.56
ATOM	2145	NZ	LYS	349	65.343	68.000	65.941	1.00	40.46
ATOM	2146	C	LYS	349	70.877	71.352	67.537	1.00	15.33
ATOM	2147	O	LYS	349	71.183	71.821	66.440	1.00	17.10
ATOM	2148	N	VAL	350	71.206	71.953	68.676	1.00	15.15
ATOM	2149	CA	VAL	350	71.937	73.214	68.662	1.00	14.07
ATOM	2150	CB	VAL	350	71.794	73.992	69.989	1.00	14.19
ATOM	2151	CG1	VAL	350	72.362	75.386	69.838	1.00	11.97
ATOM	2152	CG2	VAL	350	70.337	74.078	70.392	1.00	17.18
ATOM	2153	C	VAL	350	73.406	73.019	68.349	1.00	16.29
ATOM	2154	O	VAL	350	73.995	73.838	67.645	1.00	18.00
ATOM	2155	N	SER	351	74.006	71.958	68.886	1.00	16.00
ATOM	2156	CA	SER	351	75.418	71.663	68.637	1.00	12.71
ATOM	2157	CB	SER	351	75.882	70.505	69.517	1.00	11.95
ATOM	2158	OG	SER	351	75.765	70.816	70.894	1.00	11.62
ATOM	2159	C	SER	351	75.636	71.308	67.168	1.00	12.57
ATOM	2160	O	SER	351	76.627	71.708	66.558	1.00	12.81
ATOM	2161	N	GLU	352	74.698	70.556	66.606	1.00	13.06
ATOM	2162	CA	GLU	352	74.770	70.152	65.219	1.00	12.95
ATOM	2163	CB	GLU	352	73.565	69.292	64.887	1.00	14.63
ATOM	2164	CG	GLU	352	73.753	68.340	63.728	1.00	24.19
ATOM	2165	CD	GLU	352	73.820	69.039	62.393	1.00	31.22
ATOM	2166	OE1	GLU	352	73.003	69.956	62.165	1.00	41.17
ATOM	2167	OE2	GLU	352	74.688	68.677	61.569	1.00	31.62
ATOM	2168	C	GLU	352	74.805	71.404	64.349	1.00	15.08
ATOM	2169	O	GLU	352	75.499	71.434	63.339	1.00	19.18
ATOM	2170	N	TYR	353	74.089	72.446	64.770	1.00	15.73
ATOM	2171	CA	TYR	353	74.032	73.725	64.046	1.00	16.16
ATOM	2172	CB	TYR	353	72.735	74.473	64.395	1.00	16.64
ATOM	2173	CG	TYR	353	72.674	75.902	63.885	1.00	17.24
ATOM	2174	CD1	TYR	353	72.487	76.171	62.535	1.00	17.57
ATOM	2175	CE1	TYR	353	72.440	77.477	62.060	1.00	19.38
ATOM	2176	CD2	TYR	353	72.810	76.986	64.756	1.00	20.21
ATOM	2177	CE2	TYR	353	72.769	78.298	64.290	1.00	18.45
ATOM	2178	CZ	TYR	353	72.580	78.534	62.941	1.00	21.67
ATOM	2179	OH	TYR	353	72.534	79.821	62.458	1.00	26.08
ATOM	2180	C	TYR	353	75.228	74.638	64.346	1.00	17.36

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 1A-38

ATOM	2181	O	TYR	353	75.930	75.099	63.438	1.00	16.84
ATOM	2182	N	ALA	354	75.436	74.904	65.631	1.00	16.45
ATOM	2183	CA	ALA	354	76.503	75.771	66.107	1.00	14.66
ATOM	2184	CB	ALA	354	76.450	75.861	67.626	1.00	12.08
ATOM	2185	C	ALA	354	77.881	75.327	65.649	1.00	15.93
ATOM	2186	O	ALA	354	78.791	76.150	65.502	1.00	17.40
ATOM	2187	N	ARG	355	78.044	74.029	65.412	1.00	16.56
ATOM	2188	CA	ARG	355	79.331	73.503	64.974	1.00	15.93
ATOM	2189	CB	ARG	355	79.327	71.972	64.970	1.00	12.81
ATOM	2190	CG	ARG	355	78.353	71.355	64.005	1.00	13.40
ATOM	2191	CD	ARG	355	78.750	69.953	63.679	1.00	10.78
ATOM	2192	NE	ARG	355	77.902	69.377	62.648	1.00	11.50
ATOM	2193	CZ	ARG	355	78.284	68.384	61.853	1.00	15.77
ATOM	2194	NH1	ARG	355	79.500	67.863	61.977	1.00	20.37
ATOM	2195	NH2	ARG	355	77.459	67.906	60.933	1.00	13.86
ATOM	2196	C	ARG	355	79.719	74.024	63.594	1.00	16.63
ATOM	2197	O	ARG	355	80.897	74.184	63.304	1.00	18.62
ATOM	2198	N	ARG	356	78.727	74.340	62.768	1.00	17.13
ATOM	2199	CA	ARG	356	78.980	74.844	61.424	1.00	18.61
ATOM	2200	CB	ARG	356	77.694	74.786	60.591	1.00	20.45
ATOM	2201	CG	ARG	356	76.842	73.548	60.869	1.00	26.84
ATOM	2202	CD	ARG	356	75.749	73.356	59.835	1.00	35.30
ATOM	2203	NE	ARG	356	76.289	72.781	58.600	1.00	45.31
ATOM	2204	CZ	ARG	356	76.031	71.549	58.155	1.00	44.56
ATOM	2205	NH1	ARG	356	75.228	70.736	58.839	1.00	41.95
ATOM	2206	NH2	ARG	356	76.575	71.131	57.015	1.00	42.41
ATOM	2207	C	ARG	356	79.518	76.277	61.478	1.00	20.86
ATOM	2208	O	ARG	356	79.804	76.885	60.446	1.00	22.43
ATOM	2209	N	PHE	357	79.651	76.816	62.687	1.00	21.28
ATOM	2210	CA	PHE	357	80.157	78.170	62.885	1.00	19.44
ATOM	2211	CB	PHE	357	79.031	79.081	63.369	1.00	17.23
ATOM	2212	CG	PHE	357	77.830	79.068	62.481	1.00	17.05
ATOM	2213	CD1	PHE	357	76.836	78.119	62.654	1.00	19.73
ATOM	2214	CD2	PHE	357	77.712	79.977	61.439	1.00	18.18
ATOM	2215	CE1	PHE	357	75.744	78.073	61.805	1.00	21.80
ATOM	2216	CE2	PHE	357	76.619	79.940	60.583	1.00	19.81
ATOM	2217	CZ	PHE	357	75.635	78.986	60.764	1.00	20.74
ATOM	2218	C	PHE	357	81.270	78.145	63.917	1.00	20.90
ATOM	2219	O	PHE	357	81.695	79.188	64.413	1.00	23.81
ATOM	2220	N	GLY	358	81.725	76.944	64.250	1.00	20.23
ATOM	2221	CA	GLY	358	82.782	76.794	65.230	1.00	21.34
ATOM	2222	C	GLY	358	82.440	77.326	66.609	1.00	22.66
ATOM	2223	O	GLY	358	83.319	77.829	67.308	1.00	25.20
ATOM	2224	N	VAL	359	81.172	77.235	67.009	1.00	23.04
ATOM	2225	CA	VAL	359	80.771	77.720	68.324	1.00	19.49
ATOM	2226	CB	VAL	359	79.551	78.656	68.252	1.00	18.13
ATOM	2227	CG1	VAL	359	79.241	79.201	69.620	1.00	17.64
ATOM	2228	CG2	VAL	359	79.821	79.803	67.306	1.00	20.63
ATOM	2229	C	VAL	359	80.472	76.555	69.262	1.00	17.44
ATOM	2230	O	VAL	359	79.623	75.710	68.982	1.00	18.55
ATOM	2231	N	PRO	360	81.251	76.441	70.341	1.00	15.36
ATOM	2232	CD	PRO	360	82.498	77.197	70.545	1.00	11.72
ATOM	2233	CA	PRO	360	81.108	75.392	71.353	1.00	14.20
ATOM	2234	CB	PRO	360	82.273	75.679	72.298	1.00	11.22
ATOM	2235	CG	PRO	360	83.302	76.259	71.388	1.00	11.79
ATOM	2236	C	PRO	360	79.774	75.498	72.096	1.00	14.81
ATOM	2237	O	PRO	360	79.312	76.602	72.393	1.00	16.13
ATOM	2238	N	VAL	361	79.153	74.355	72.372	1.00	13.23
ATOM	2239	CA	VAL	361	77.892	74.313	73.099	1.00	9.02

APPROVED	O. G. FIG.	
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FIG. 1A-39

ATOM	2240	CB	VAL	361	76.849	73.453	72.362	1.00	6.35
ATOM	2241	CG1	VAL	361	75.793	72.907	73.331	1.00	4.83
ATOM	2242	CG2	VAL	361	76.175	74.289	71.286	1.00	9.33
ATOM	2243	C	VAL	361	78.154	73.739	74.483	1.00	11.18
ATOM	2244	O	VAL	361	78.917	72.775	74.623	1.00	12.24
ATOM	2245	N	ILE	362	77.545	74.359	75.495	1.00	10.96
ATOM	2246	CA	ILE	362	77.659	73.950	76.895	1.00	9.15
ATOM	2247	CB	ILE	362	77.836	75.184	77.831	1.00	9.87
ATOM	2248	CG2	ILE	362	77.850	74.769	79.294	1.00	5.57
ATOM	2249	CG1	ILE	362	79.130	75.931	77.504	1.00	14.42
ATOM	2250	CD1	ILE	362	79.377	77.131	78.394	1.00	14.31
ATOM	2251	C	ILE	362	76.345	73.283	77.263	1.00	9.83
ATOM	2252	O	ILE	362	75.318	73.949	77.305	1.00	12.05
ATOM	2253	N	ALA	363	76.357	71.972	77.485	1.00	11.91
ATOM	2254	CA	ALA	363	75.136	71.256	77.868	1.00	11.28
ATOM	2255	CB	ALA	363	75.319	69.763	77.724	1.00	13.29
ATOM	2256	C	ALA	363	74.880	71.623	79.314	1.00	12.59
ATOM	2257	O	ALA	363	75.519	71.100	80.231	1.00	14.94
ATOM	2258	N	ASP	364	73.943	72.538	79.505	1.00	13.34
ATOM	2259	CA	ASP	364	73.617	73.056	80.816	1.00	12.33
ATOM	2260	CB	ASP	364	73.737	74.577	80.750	1.00	11.24
ATOM	2261	CG	ASP	364	73.210	75.255	81.966	1.00	15.61
ATOM	2262	OD1	ASP	364	73.322	74.677	83.061	1.00	18.33
ATOM	2263	OD2	ASP	364	72.680	76.372	81.820	1.00	22.45
ATOM	2264	C	ASP	364	72.257	72.630	81.371	1.00	14.11
ATOM	2265	O	ASP	364	71.207	73.094	80.915	1.00	12.91
ATOM	2266	N	GLY	365	72.294	71.795	82.409	1.00	15.80
ATOM	2267	CA	GLY	365	71.068	71.324	83.036	1.00	17.03
ATOM	2268	C	GLY	365	70.702	69.854	82.863	1.00	17.21
ATOM	2269	O	GLY	365	70.933	69.257	81.807	1.00	16.26
ATOM	2270	N	GLY	366	70.137	69.269	83.919	1.00	19.08
ATOM	2271	CA	GLY	366	69.711	67.883	83.875	1.00	20.17
ATOM	2272	C	GLY	366	70.777	66.832	84.104	1.00	21.83
ATOM	2273	O	GLY	366	70.487	65.635	84.002	1.00	22.67
ATOM	2274	N	ILE	367	72.009	67.253	84.384	1.00	22.88
ATOM	2275	CA	ILE	367	73.098	66.311	84.634	1.00	22.10
ATOM	2276	CB	ILE	367	74.484	66.959	84.444	1.00	20.00
ATOM	2277	CG2	ILE	367	75.596	65.980	84.841	1.00	18.29
ATOM	2278	CG1	ILE	367	74.643	67.462	83.002	1.00	18.25
ATOM	2279	CD1	ILE	367	74.511	66.400	81.937	1.00	17.72
ATOM	2280	C	ILE	367	72.975	65.803	86.063	1.00	24.54
ATOM	2281	O	ILE	367	73.240	66.534	87.018	1.00	25.34
ATOM	2282	N	GLN	368	72.533	64.559	86.198	1.00	25.47
ATOM	2283	CA	GLN	368	72.352	63.929	87.500	1.00	26.05
ATOM	2284	CB	GLN	368	71.010	63.193	87.546	1.00	33.00
ATOM	2285	CG	GLN	368	69.808	63.960	87.016	1.00	41.39
ATOM	2286	CD	GLN	368	68.650	63.034	86.645	1.00	47.49
ATOM	2287	OE1	GLN	368	68.857	61.864	86.306	1.00	50.05
ATOM	2288	NE2	GLN	368	67.435	63.566	86.664	1.00	49.52
ATOM	2289	C	GLN	368	73.462	62.923	87.807	1.00	23.20
ATOM	2290	O	GLN	368	73.581	62.460	88.939	1.00	24.66
ATOM	2291	N	ASN	369	74.249	62.558	86.797	1.00	20.24
ATOM	2292	CA	ASN	369	75.322	61.586	86.979	1.00	17.49
ATOM	2293	CB	ASN	369	74.721	60.205	87.203	1.00	18.55
ATOM	2294	CG	ASN	369	73.906	59.736	86.025	1.00	19.68
ATOM	2295	OD1	ASN	369	73.929	60.334	84.947	1.00	20.92
ATOM	2296	ND2	ASN	369	73.182	58.654	86.217	1.00	27.57
ATOM	2297	C	ASN	369	76.269	61.537	85.781	1.00	16.13
ATOM	2298	O	ASN	369	76.062	62.238	84.790	1.00	16.39

APPROVED	O.G. FIG.	
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FIG. 1A-40

ATOM	2299	N	VAL	370	77.274	60.670	85.859	1.00	15.11
ATOM	2300	CA	VAL	370	78.261	60.533	84.793	1.00	14.39
ATOM	2301	CB	VAL	370	79.396	59.566	85.179	1.00	10.30
ATOM	2302	CG1	VAL	370	80.297	59.311	83.984	1.00	14.21
ATOM	2303	CG2	VAL	370	80.216	60.150	86.300	1.00	7.21
ATOM	2304	C	VAL	370	77.693	60.122	83.438	1.00	16.18
ATOM	2305	O	VAL	370	78.148	60.616	82.406	1.00	20.19
ATOM	2306	N	GLY	371	76.702	59.238	83.429	1.00	15.14
ATOM	2307	CA	GLY	371	76.125	58.802	82.170	1.00	12.93
ATOM	2308	C	GLY	371	75.635	59.981	81.357	1.00	14.21
ATOM	2309	O	GLY	371	75.845	60.052	80.144	1.00	16.14
ATOM	2310	N	HIS	372	74.994	60.921	82.041	1.00	14.52
ATOM	2311	CA	HIS	372	74.467	62.121	81.411	1.00	12.09
ATOM	2312	CB	HIS	372	73.717	62.965	82.442	1.00	13.52
ATOM	2313	CG	HIS	372	72.452	62.338	82.941	1.00	11.76
ATOM	2314	CD2	HIS	372	71.675	62.637	84.006	1.00	9.64
ATOM	2315	ND1	HIS	372	71.836	61.283	82.301	1.00	11.22
ATOM	2316	CE1	HIS	372	70.730	60.964	82.950	1.00	11.70
ATOM	2317	NE2	HIS	372	70.609	61.769	83.989	1.00	13.93
ATOM	2318	C	HIS	372	75.584	62.936	80.783	1.00	11.92
ATOM	2319	O	HIS	372	75.477	63.351	79.633	1.00	13.70
ATOM	2320	N	ILE	373	76.664	63.150	81.529	1.00	11.48
ATOM	2321	CA	ILE	373	77.802	63.912	81.023	1.00	10.28
ATOM	2322	CB	ILE	373	78.970	63.936	82.020	1.00	9.11
ATOM	2323	CG2	ILE	373	80.052	64.869	81.511	1.00	9.72
ATOM	2324	CG1	ILE	373	78.500	64.430	83.390	1.00	12.51
ATOM	2325	CD1	ILE	373	79.615	64.553	84.422	1.00	7.16
ATOM	2326	C	ILE	373	78.305	63.320	79.705	1.00	11.05
ATOM	2327	O	ILE	373	78.401	64.023	78.696	1.00	13.77
ATOM	2328	N	ALA	374	78.578	62.019	79.709	1.00	10.10
ATOM	2329	CA	ALA	374	79.059	61.323	78.521	1.00	7.10
ATOM	2330	CB	ALA	374	79.338	59.858	78.849	1.00	6.65
ATOM	2331	C	ALA	374	78.077	61.436	77.354	1.00	7.00
ATOM	2332	O	ALA	374	78.494	61.582	76.200	1.00	7.81
ATOM	2333	N	LYS	375	76.779	61.375	77.649	1.00	6.65
ATOM	2334	CA	LYS	375	75.747	61.485	76.618	1.00	7.92
ATOM	2335	CB	LYS	375	74.372	61.114	77.168	1.00	10.47
ATOM	2336	CG	LYS	375	74.227	59.656	77.562	1.00	12.38
ATOM	2337	CD	LYS	375	72.820	59.354	78.030	1.00	9.26
ATOM	2338	CE	LYS	375	72.730	57.927	78.518	1.00	7.92
ATOM	2339	NZ	LYS	375	71.353	57.566	78.921	1.00	7.20
ATOM	2340	C	LYS	375	75.680	62.885	76.021	1.00	9.52
ATOM	2341	O	LYS	375	75.457	63.036	74.825	1.00	12.41
ATOM	2342	N	ALA	376	75.847	63.911	76.850	1.00	8.56
ATOM	2343	CA	ALA	376	75.819	65.286	76.359	1.00	8.01
ATOM	2344	CB	ALA	376	75.989	66.258	77.505	1.00	6.06
ATOM	2345	C	ALA	376	76.951	65.466	75.362	1.00	7.56
ATOM	2346	O	ALA	376	76.755	65.969	74.261	1.00	6.99
ATOM	2347	N	LEU	377	78.137	65.031	75.766	1.00	9.38
ATOM	2348	CA	LEU	377	79.331	65.132	74.940	1.00	11.38
ATOM	2349	CB	LEU	377	80.550	64.633	75.725	1.00	10.28
ATOM	2350	CG	LEU	377	80.816	65.413	77.016	1.00	8.99
ATOM	2351	CD1	LEU	377	81.864	64.704	77.875	1.00	8.49
ATOM	2352	CD2	LEU	377	81.221	66.847	76.678	1.00	2.00
ATOM	2353	C	LEU	377	79.168	64.354	73.644	1.00	12.35
ATOM	2354	O	LEU	377	79.457	64.862	72.566	1.00	12.88
ATOM	2355	N	ALA	378	78.660	63.132	73.755	1.00	15.20
ATOM	2356	CA	ALA	378	78.436	62.270	72.598	1.00	14.02
ATOM	2357	CB	ALA	378	77.927	60.907	73.057	1.00	12.75

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
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Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed October 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 41/118

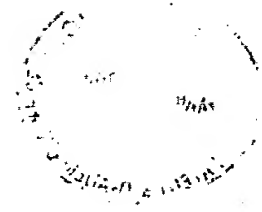


FIG. 1A-41

ATOM	2358	C	ALA	378	77.453	62.891	71.609	1.00	13.17
ATOM	2359	O	ALA	378	77.501	62.601	70.419	1.00	16.35
ATOM	2360	N	LEU	379	76.562	63.749	72.097	1.00	13.73
ATOM	2361	CA	LEU	379	75.567	64.376	71.236	1.00	12.58
ATOM	2362	CB	LEU	379	74.234	64.517	71.968	1.00	11.76
ATOM	2363	CG	LEU	379	73.485	63.201	72.194	1.00	12.16
ATOM	2364	CD1	LEU	379	72.225	63.447	72.983	1.00	11.41
ATOM	2365	CD2	LEU	379	73.171	62.563	70.863	1.00	10.14
ATOM	2366	C	LEU	379	75.980	65.706	70.621	1.00	14.62
ATOM	2367	O	LEU	379	75.220	66.294	69.848	1.00	16.75
ATOM	2368	N	GLY	380	77.175	66.183	70.950	1.00	14.81
ATOM	2369	CA	GLY	380	77.636	67.427	70.371	1.00	12.86
ATOM	2370	C	GLY	380	78.128	68.502	71.325	1.00	15.25
ATOM	2371	O	GLY	380	78.734	69.476	70.869	1.00	17.13
ATOM	2372	N	ALA	381	77.899	68.356	72.626	1.00	12.90
ATOM	2373	CA	ALA	381	78.348	69.390	73.547	1.00	12.21
ATOM	2374	CB	ALA	381	77.635	69.269	74.873	1.00	5.91
ATOM	2375	C	ALA	381	79.862	69.368	73.744	1.00	16.09
ATOM	2376	O	ALA	381	80.487	68.294	73.764	1.00	16.75
ATOM	2377	N	SER	382	80.461	70.553	73.833	1.00	16.25
ATOM	2378	CA	SER	382	81.898	70.647	74.050	1.00	14.46
ATOM	2379	CB	SER	382	82.464	71.911	73.394	1.00	15.52
ATOM	2380	OG	SER	382	82.399	71.835	71.978	1.00	12.28
ATOM	2381	C	SER	382	82.223	70.612	75.545	1.00	12.47
ATOM	2382	O	SER	382	83.293	70.160	75.946	1.00	12.89
ATOM	2383	N	THR	383	81.299	71.093	76.363	1.00	9.47
ATOM	2384	CA	THR	383	81.479	71.102	77.805	1.00	9.10
ATOM	2385	CB	THR	383	82.060	72.464	78.312	1.00	9.34
ATOM	2386	OG1	THR	383	81.386	73.555	77.677	1.00	7.51
ATOM	2387	CG2	THR	383	83.552	72.573	78.009	1.00	9.52
ATOM	2388	C	THR	383	80.122	70.814	78.452	1.00	9.96
ATOM	2389	O	THR	383	79.100	70.808	77.768	1.00	11.79
ATOM	2390	N	VAL	384	80.112	70.554	79.755	1.00	11.42
ATOM	2391	CA	VAL	384	78.884	70.254	80.489	1.00	12.61
ATOM	2392	CB	VAL	384	78.806	68.743	80.858	1.00	12.85
ATOM	2393	CG1	VAL	384	77.655	68.485	81.816	1.00	9.44
ATOM	2394	CG2	VAL	384	78.617	67.906	79.597	1.00	8.74
ATOM	2395	C	VAL	384	78.867	71.083	81.766	1.00	13.72
ATOM	2396	O	VAL	384	79.855	71.121	82.488	1.00	16.90
ATOM	2397	N	MET	385	77.743	71.737	82.042	1.00	12.85
ATOM	2398	CA	MET	385	77.603	72.568	83.235	1.00	11.55
ATOM	2399	CB	MET	385	77.037	73.941	82.849	1.00	9.59
ATOM	2400	CG	MET	385	76.925	74.933	83.997	1.00	8.37
ATOM	2401	SD	MET	385	76.483	76.589	83.443	1.00	15.71
ATOM	2402	CE	MET	385	78.077	77.210	82.918	1.00	11.94
ATOM	2403	C	MET	385	76.682	71.874	84.232	1.00	13.51
ATOM	2404	O	MET	385	75.617	71.391	83.855	1.00	16.34
ATOM	2405	N	MET	386	77.092	71.818	85.494	1.00	13.54
ATOM	2406	CA	MET	386	76.302	71.175	86.536	1.00	12.69
ATOM	2407	CB	MET	386	77.046	69.970	87.093	1.00	11.47
ATOM	2408	CG	MET	386	77.370	68.902	86.095	1.00	15.31
ATOM	2409	SD	MET	386	79.102	68.453	86.167	1.00	23.72
ATOM	2410	CE	MET	386	79.227	67.858	87.814	1.00	23.52
ATOM	2411	C	MET	386	75.996	72.107	87.700	1.00	14.87
ATOM	2412	O	MET	386	76.761	73.028	88.006	1.00	14.78
ATOM	2413	N	GLY	387	74.881	71.836	88.366	1.00	16.33
ATOM	2414	CA	GLY	387	74.471	72.615	89.517	1.00	16.37
ATOM	2415	C	GLY	387	74.350	71.680	90.700	1.00	17.64
ATOM	2416	O	GLY	387	75.172	71.725	91.611	1.00	18.53

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
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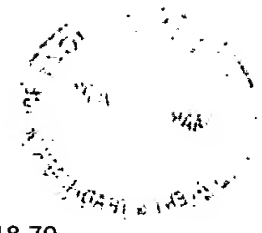


FIG. 1A-42

ATOM	2417	N	SER	388	73.389	70.762	90.650	1.00	18.70
ATOM	2418	CA	SER	388	73.197	69.827	91.750	1.00	20.06
ATOM	2419	CB	SER	388	71.854	69.094	91.646	1.00	19.62
ATOM	2420	OG	SER	388	71.786	68.278	90.492	1.00	23.96
ATOM	2421	C	SER	388	74.324	68.822	91.904	1.00	21.02
ATOM	2422	O	SER	388	74.641	68.418	93.024	1.00	23.46
ATOM	2423	N	LEU	389	74.967	68.452	90.804	1.00	20.62
ATOM	2424	CA	LEU	389	76.048	67.475	90.873	1.00	19.98
ATOM	2425	CB	LEU	389	76.388	66.931	89.479	1.00	16.24
ATOM	2426	CG	LEU	389	76.903	65.485	89.459	1.00	12.91
ATOM	2427	CD1	LEU	389	75.862	64.596	90.088	1.00	9.27
ATOM	2428	CD2	LEU	389	77.207	65.012	88.053	1.00	7.57
ATOM	2429	C	LEU	389	77.294	68.028	91.555	1.00	22.25
ATOM	2430	O	LEU	389	78.297	67.335	91.656	1.00	24.36
ATOM	2431	N	LEU	390	77.224	69.269	92.033	1.00	23.31
ATOM	2432	CA	LEU	390	78.350	69.906	92.712	1.00	21.02
ATOM	2433	CB	LEU	390	79.049	70.892	91.769	1.00	17.40
ATOM	2434	CG	LEU	390	79.563	70.361	90.424	1.00	13.45
ATOM	2435	CD1	LEU	390	80.108	71.494	89.584	1.00	11.98
ATOM	2436	CD2	LEU	390	80.643	69.326	90.656	1.00	14.99
ATOM	2437	C	LEU	390	77.886	70.651	93.963	1.00	22.78
ATOM	2438	O	LEU	390	78.640	70.796	94.922	1.00	23.75
ATOM	2439	N	ALA	391	76.624	71.066	93.965	1.00	25.01
ATOM	2440	CA	ALA	391	76.020	71.827	95.061	1.00	27.66
ATOM	2441	CB	ALA	391	74.513	71.970	94.832	1.00	24.32
ATOM	2442	C	ALA	391	76.282	71.409	96.511	1.00	30.02
ATOM	2443	O	ALA	391	76.112	72.227	97.422	1.00	33.60
ATOM	2444	N	ALA	392	76.660	70.160	96.755	1.00	28.04
ATOM	2445	CA	ALA	392	76.897	69.748	98.136	1.00	27.13
ATOM	2446	CB	ALA	392	76.046	68.559	98.478	1.00	30.74
ATOM	2447	C	ALA	392	78.348	69.453	98.461	1.00	25.59
ATOM	2448	O	ALA	392	78.643	68.723	99.410	1.00	23.24
ATOM	2449	N	THR	393	79.256	69.969	97.649	1.00	24.15
ATOM	2450	CA	THR	393	80.663	69.734	97.895	1.00	22.30
ATOM	2451	CB	THR	393	81.502	69.799	96.599	1.00	18.89
ATOM	2452	OG1	THR	393	81.294	71.053	95.952	1.00	21.65
ATOM	2453	CG2	THR	393	81.121	68.666	95.651	1.00	15.42
ATOM	2454	C	THR	393	81.162	70.760	98.894	1.00	23.37
ATOM	2455	O	THR	393	80.514	71.781	99.133	1.00	23.21
ATOM	2456	N	THR	394	82.316	70.475	99.481	1.00	23.31
ATOM	2457	CA	THR	394	82.927	71.349	100.471	1.00	22.67
ATOM	2458	CB	THR	394	84.257	70.731	100.977	1.00	25.02
ATOM	2459	OG1	THR	394	84.042	69.352	101.309	1.00	27.81
ATOM	2460	CG2	THR	394	84.761	71.462	102.215	1.00	25.38
ATOM	2461	C	THR	394	83.206	72.756	99.933	1.00	20.08
ATOM	2462	O	THR	394	83.028	73.743	100.636	1.00	21.25
ATOM	2463	N	GLU	395	83.589	72.843	98.667	1.00	17.87
ATOM	2464	CA	GLU	395	83.935	74.115	98.066	1.00	15.59
ATOM	2465	CB	GLU	395	84.879	73.906	96.887	1.00	18.03
ATOM	2466	CG	GLU	395	86.264	73.351	97.255	1.00	21.45
ATOM	2467	CD	GLU	395	86.273	71.851	97.497	1.00	25.08
ATOM	2468	OE1	GLU	395	87.250	71.342	98.094	1.00	23.12
ATOM	2469	OE2	GLU	395	85.305	71.180	97.087	1.00	25.76
ATOM	2470	C	GLU	395	82.772	74.976	97.629	1.00	16.80
ATOM	2471	O	GLU	395	82.978	76.092	97.155	1.00	17.72
ATOM	2472	N	ALA	396	81.556	74.463	97.751	1.00	18.63
ATOM	2473	CA	ALA	396	80.373	75.226	97.353	1.00	20.65
ATOM	2474	CB	ALA	396	79.251	74.281	96.956	1.00	19.79
ATOM	2475	C	ALA	396	79.926	76.131	98.496	1.00	22.38

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed October 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 43/118

FIG. 1A-43

ATOM	2476	O	ALA	396	80.183	75.834	99.665	1.00	23.05
ATOM	2477	N	PRO	397	79.301	77.279	98.171	1.00	23.70
ATOM	2478	CD	PRO	397	79.085	77.782	96.806	1.00	24.23
ATOM	2479	CA	PRO	397	78.809	78.250	99.152	1.00	25.59
ATOM	2480	CB	PRO	397	78.129	79.296	98.275	1.00	23.05
ATOM	2481	CG	PRO	397	78.922	79.255	97.029	1.00	22.14
ATOM	2482	C	PRO	397	77.811	77.637	100.133	1.00	28.01
ATOM	2483	O	PRO	397	77.055	76.741	99.780	1.00	28.32
ATOM	2484	N	GLY	398	77.822	78.119	101.368	1.00	30.41
ATOM	2485	CA	GLY	398	76.901	77.610	102.362	1.00	32.35
ATOM	2486	C	GLY	398	77.536	76.719	103.406	1.00	35.07
ATOM	2487	O	GLY	398	78.644	76.208	103.233	1.00	34.69
ATOM	2488	N	GLU	399	76.820	76.556	104.512	1.00	37.44
ATOM	2489	CA	GLU	399	77.259	75.728	105.628	1.00	38.51
ATOM	2490	CB	GLU	399	77.005	76.480	106.944	1.00	44.33
ATOM	2491	CG	GLU	399	77.219	75.665	108.222	1.00	55.44
ATOM	2492	CD	GLU	399	75.930	75.413	109.025	1.00	65.22
ATOM	2493	OE1	GLU	399	76.015	74.743	110.082	1.00	67.57
ATOM	2494	OE2	GLU	399	74.837	75.871	108.610	1.00	69.24
ATOM	2495	C	GLU	399	76.488	74.407	105.603	1.00	36.40
ATOM	2496	O	GLU	399	75.347	74.359	105.136	1.00	36.14
ATOM	2497	N	TYR	400	77.128	73.334	106.055	1.00	33.94
ATOM	2498	CA	TYR	400	76.491	72.025	106.101	1.00	32.40
ATOM	2499	CB	TYR	400	77.538	70.920	106.223	1.00	30.68
ATOM	2500	CG	TYR	400	78.226	70.564	104.938	1.00	29.71
ATOM	2501	CD1	TYR	400	77.633	69.688	104.026	1.00	28.20
ATOM	2502	CE1	TYR	400	78.274	69.344	102.845	1.00	26.95
ATOM	2503	CD2	TYR	400	79.477	71.089	104.632	1.00	28.87
ATOM	2504	CE2	TYR	400	80.128	70.749	103.453	1.00	27.69
ATOM	2505	CZ	TYR	400	79.523	69.882	102.565	1.00	25.06
ATOM	2506	OH	TYR	400	80.169	69.554	101.403	1.00	21.76
ATOM	2507	C	TYR	400	75.604	71.938	107.322	1.00	32.61
ATOM	2508	O	TYR	400	75.895	72.543	108.347	1.00	35.88
ATOM	2509	N	PHE	401	74.542	71.160	107.235	1.00	30.97
ATOM	2510	CA	PHE	401	73.670	70.985	108.376	1.00	31.87
ATOM	2511	CB	PHE	401	72.514	71.999	108.356	1.00	31.10
ATOM	2512	CG	PHE	401	71.644	71.914	107.133	1.00	29.98
ATOM	2513	CD1	PHE	401	72.023	72.543	105.950	1.00	27.03
ATOM	2514	CD2	PHE	401	70.457	71.178	107.154	1.00	25.56
ATOM	2515	CE1	PHE	401	71.238	72.438	104.806	1.00	25.34
ATOM	2516	CE2	PHE	401	69.666	71.066	106.015	1.00	23.68
ATOM	2517	CZ	PHE	401	70.057	71.697	104.838	1.00	25.95
ATOM	2518	C	PHE	401	73.180	69.549	108.327	1.00	33.08
ATOM	2519	O	PHE	401	73.597	68.779	107.465	1.00	32.13
ATOM	2520	N	PHE	402	72.318	69.171	109.258	1.00	35.69
ATOM	2521	CA	PHE	402	71.811	67.810	109.279	1.00	37.42
ATOM	2522	CB	PHE	402	72.456	67.030	110.429	1.00	35.41
ATOM	2523	CG	PHE	402	73.949	66.901	110.322	1.00	32.99
ATOM	2524	CD1	PHE	402	74.525	65.726	109.847	1.00	33.35
ATOM	2525	CD2	PHE	402	74.781	67.954	110.689	1.00	33.30
ATOM	2526	CE1	PHE	402	75.916	65.603	109.737	1.00	31.57
ATOM	2527	CE2	PHE	402	76.167	67.844	110.584	1.00	31.22
ATOM	2528	CZ	PHE	402	76.734	66.665	110.106	1.00	32.49
ATOM	2529	C	PHE	402	70.291	67.770	109.418	1.00	40.49
ATOM	2530	O	PHE	402	69.680	68.689	109.973	1.00	41.28
ATOM	2531	N	SER	403	69.689	66.726	108.862	1.00	43.51
ATOM	2532	CA	SER	403	68.252	66.525	108.949	1.00	47.93
ATOM	2533	CB	SER	403	67.617	66.581	107.560	1.00	49.52
ATOM	2534	OG	SER	403	68.245	65.660	106.683	1.00	54.86

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1A-44

ATOM	2535	C	SER	403	68.053	65.154	109.607	1.00	51.47
ATOM	2536	O	SER	403	68.366	64.987	110.789	1.00	53.15
ATOM	2537	N	ASP	404	67.597	64.162	108.847	1.00	52.88
ATOM	2538	CA	ASP	404	67.393	62.821	109.395	1.00	54.43
ATOM	2539	CB	ASP	404	66.354	62.034	108.570	1.00	59.65
ATOM	2540	CG	ASP	404	66.498	62.238	107.056	1.00	64.80
ATOM	2541	OD1	ASP	404	65.472	62.112	106.348	1.00	66.65
ATOM	2542	OD2	ASP	404	67.617	62.520	106.569	1.00	67.01
ATOM	2543	C	ASP	404	68.727	62.080	109.468	1.00	53.52
ATOM	2544	O	ASP	404	68.899	61.003	108.893	1.00	54.08
ATOM	2545	N	GLY	405	69.673	62.674	110.186	1.00	52.57
ATOM	2546	CA	GLY	405	70.989	62.080	110.314	1.00	51.71
ATOM	2547	C	GLY	405	71.745	62.165	109.004	1.00	50.71
ATOM	2548	O	GLY	405	72.761	61.494	108.817	1.00	51.94
ATOM	2549	N	ILE	406	71.254	63.006	108.101	1.00	49.32
ATOM	2550	CA	ILE	406	71.873	63.185	106.797	1.00	46.50
ATOM	2551	CB	ILE	406	70.868	62.860	105.670	1.00	45.63
ATOM	2552	CG2	ILE	406	71.409	63.303	104.321	1.00	45.90
ATOM	2553	CG1	ILE	406	70.585	61.353	105.677	1.00	47.65
ATOM	2554	CD1	ILE	406	69.620	60.887	104.620	1.00	51.01
ATOM	2555	C	ILE	406	72.443	64.592	106.648	1.00	44.89
ATOM	2556	O	ILE	406	71.744	65.588	106.886	1.00	45.23
ATOM	2557	N	ARG	407	73.727	64.662	106.306	1.00	42.16
ATOM	2558	CA	ARG	407	74.403	65.939	106.137	1.00	39.23
ATOM	2559	CB	ARG	407	75.918	65.756	106.126	1.00	38.21
ATOM	2560	CG	ARG	407	76.668	67.017	106.504	1.00	36.68
ATOM	2561	CD	ARG	407	78.142	66.747	106.691	1.00	38.88
ATOM	2562	NE	ARG	407	78.743	67.742	107.571	1.00	41.10
ATOM	2563	CZ	ARG	407	79.902	68.347	107.343	1.00	40.51
ATOM	2564	NH1	ARG	407	80.604	68.063	106.255	1.00	36.09
ATOM	2565	NH2	ARG	407	80.346	69.258	108.198	1.00	40.72
ATOM	2566	C	ARG	407	73.944	66.546	104.831	1.00	37.51
ATOM	2567	O	ARG	407	73.902	65.867	103.805	1.00	39.48
ATOM	2568	N	LEU	408	73.601	67.824	104.868	1.00	34.38
ATOM	2569	CA	LEU	408	73.115	68.504	103.683	1.00	31.16
ATOM	2570	CB	LEU	408	71.588	68.562	103.724	1.00	24.97
ATOM	2571	CG	LEU	408	70.844	67.249	103.927	1.00	20.15
ATOM	2572	CD1	LEU	408	69.476	67.526	104.499	1.00	19.69
ATOM	2573	CD2	LEU	408	70.784	66.473	102.631	1.00	14.81
ATOM	2574	C	LEU	408	73.656	69.921	103.581	1.00	31.84
ATOM	2575	O	LEU	408	74.160	70.493	104.551	1.00	33.47
ATOM	2576	N	LYS	409	73.548	70.470	102.381	1.00	30.46
ATOM	2577	CA	LYS	409	73.967	71.827	102.091	1.00	27.79
ATOM	2578	CB	LYS	409	75.332	71.834	101.402	1.00	27.10
ATOM	2579	CG	LYS	409	75.988	73.200	101.349	1.00	26.08
ATOM	2580	CD	LYS	409	77.168	73.220	100.398	1.00	26.04
ATOM	2581	CE	LYS	409	78.425	72.632	100.998	1.00	25.41
ATOM	2582	NZ	LYS	409	79.076	73.542	101.965	1.00	24.68
ATOM	2583	C	LYS	409	72.878	72.320	101.142	1.00	26.84
ATOM	2584	O	LYS	409	72.376	71.562	100.311	1.00	26.63
ATOM	2585	N	LYS	410	72.495	73.577	101.285	1.00	26.58
ATOM	2586	CA	LYS	410	71.452	74.169	100.468	1.00	27.15
ATOM	2587	CB	LYS	410	71.132	75.568	100.993	1.00	31.97
ATOM	2588	CG	LYS	410	70.054	75.605	102.062	1.00	40.07
ATOM	2589	CD	LYS	410	68.680	75.378	101.442	1.00	46.67
ATOM	2590	CE	LYS	410	68.389	76.403	100.339	1.00	47.01
ATOM	2591	NZ	LYS	410	67.072	76.159	99.700	1.00	43.19
ATOM	2592	C	LYS	410	71.758	74.260	98.980	1.00	25.29
ATOM	2593	O	LYS	410	72.895	74.479	98.576	1.00	25.69

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed October 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 45/118

FIG. 1A-45

ATOM	2594	N	TYR	411	70.725	74.071	98.174	1.00	22.53
ATOM	2595	CA	TYR	411	70.830	74.192	96.735	1.00	19.58
ATOM	2596	CB	TYR	411	71.035	72.840	96.051	1.00	16.64
ATOM	2597	CG	TYR	411	71.132	72.979	94.546	1.00	18.10
ATOM	2598	CD1	TYR	411	71.895	74.000	93.974	1.00	18.77
ATOM	2599	CE1	TYR	411	71.929	74.196	92.605	1.00	19.48
ATOM	2600	CD2	TYR	411	70.409	72.145	93.693	1.00	17.87
ATOM	2601	CE2	TYR	411	70.439	72.334	92.310	1.00	17.72
ATOM	2602	CZ	TYR	411	71.199	73.367	91.774	1.00	19.31
ATOM	2603	OH	TYR	411	71.210	73.599	90.412	1.00	22.34
ATOM	2604	C	TYR	411	69.510	74.820	96.295	1.00	20.78
ATOM	2605	O	TYR	411	68.432	74.278	96.570	1.00	20.50
ATOM	2606	N	ARG	412	69.582	75.968	95.631	1.00	19.85
ATOM	2607	CA	ARG	412	68.368	76.641	95.199	1.00	18.82
ATOM	2608	CB	ARG	412	67.992	77.750	96.187	1.00	16.10
ATOM	2609	CG	ARG	412	68.919	78.944	96.139	1.00	13.54
ATOM	2610	CD	ARG	412	68.454	80.049	97.034	1.00	10.34
ATOM	2611	NE	ARG	412	69.325	81.207	96.904	1.00	17.42
ATOM	2612	CZ	ARG	412	69.384	82.205	97.782	1.00	21.02
ATOM	2613	NH1	ARG	412	68.621	82.193	98.864	1.00	22.12
ATOM	2614	NH2	ARG	412	70.217	83.217	97.586	1.00	23.60
ATOM	2615	C	ARG	412	68.464	77.235	93.808	1.00	20.49
ATOM	2616	O	ARG	412	69.510	77.762	93.401	1.00	19.42
ATOM	2617	N	GLY	413	67.348	77.168	93.092	1.00	22.45
ATOM	2618	CA	GLY	413	67.295	77.725	91.759	1.00	22.08
ATOM	2619	C	GLY	413	67.358	79.233	91.846	1.00	20.93
ATOM	2620	O	GLY	413	66.791	79.831	92.761	1.00	19.19
ATOM	2621	N	MET	414	68.049	79.845	90.893	1.00	21.29
ATOM	2622	CA	MET	414	68.197	81.292	90.847	1.00	21.49
ATOM	2623	CB	MET	414	69.265	81.681	89.824	1.00	23.96
ATOM	2624	CG	MET	414	70.672	81.250	90.224	1.00	21.70
ATOM	2625	SD	MET	414	71.103	81.734	91.919	1.00	18.54
ATOM	2626	CE	MET	414	71.695	83.398	91.646	1.00	23.85
ATOM	2627	C	MET	414	66.888	82.025	90.567	1.00	20.64
ATOM	2628	O	MET	414	66.822	83.254	90.648	1.00	20.74
ATOM	2629	N	GLY	415	65.854	81.267	90.233	1.00	20.53
ATOM	2630	CA	GLY	415	64.558	81.851	89.972	1.00	19.68
ATOM	2631	C	GLY	415	63.640	81.592	91.147	1.00	21.08
ATOM	2632	O	GLY	415	62.425	81.726	91.021	1.00	23.65
ATOM	2633	N	SER	416	64.197	81.142	92.266	1.00	20.91
ATOM	2634	CA	SER	416	63.393	80.886	93.455	1.00	22.71
ATOM	2635	CB	SER	416	64.144	79.996	94.451	1.00	22.91
ATOM	2636	OG	SER	416	65.344	80.599	94.910	1.00	20.96
ATOM	2637	C	SER	416	63.105	82.236	94.087	1.00	24.99
ATOM	2638	O	SER	416	63.870	83.181	93.890	1.00	27.08
ATOM	2639	N	LEU	417	62.019	82.337	94.846	1.00	26.49
ATOM	2640	CA	LEU	417	61.679	83.601	95.485	1.00	29.42
ATOM	2641	CB	LEU	417	60.362	83.497	96.255	1.00	31.14
ATOM	2642	CG	LEU	417	59.054	83.276	95.486	1.00	30.31
ATOM	2643	CD1	LEU	417	57.907	83.354	96.474	1.00	30.36
ATOM	2644	CD2	LEU	417	58.862	84.302	94.378	1.00	25.63
ATOM	2645	C	LEU	417	62.795	84.055	96.420	1.00	32.03
ATOM	2646	O	LEU	417	63.061	85.249	96.532	1.00	33.75
ATOM	2647	N	ASP	418	63.445	83.095	97.081	1.00	35.21
ATOM	2648	CA	ASP	418	64.550	83.378	98.005	1.00	35.94
ATOM	2649	CB	ASP	418	64.942	82.121	98.797	1.00	35.59
ATOM	2650	CG	ASP	418	63.988	81.821	99.942	1.00	39.46
ATOM	2651	OD1	ASP	418	63.295	82.749	100.423	1.00	40.20
ATOM	2652	OD2	ASP	418	63.941	80.651	100.374	1.00	41.70

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1A-46

ATOM	2653	C	ASP	418	65.777	83.902	97.275	1.00	36.50
ATOM	2654	O	ASP	418	66.407	84.860	97.716	1.00	37.43
ATOM	2655	N	ALA	419	66.147	83.233	96.189	1.00	36.59
ATOM	2656	CA	ALA	419	67.301	83.646	95.411	1.00	37.48
ATOM	2657	CB	ALA	419	67.567	82.660	94.300	1.00	36.03
ATOM	2658	C	ALA	419	67.021	85.024	94.841	1.00	39.11
ATOM	2659	O	ALA	419	67.914	85.869	94.774	1.00	40.78
ATOM	2660	N	MET	420	65.770	85.245	94.446	1.00	39.62
ATOM	2661	CA	MET	420	65.348	86.521	93.884	1.00	40.26
ATOM	2662	CB	MET	420	64.039	86.368	93.096	1.00	40.92
ATOM	2663	CG	MET	420	64.124	85.453	91.879	1.00	38.85
ATOM	2664	SD	MET	420	62.752	85.698	90.733	1.00	35.95
ATOM	2665	CE	MET	420	61.390	84.999	91.678	1.00	32.77
ATOM	2666	C	MET	420	65.163	87.549	94.991	1.00	40.67
ATOM	2667	O	MET	420	65.352	88.741	94.681	1.00	41.51
ATOM	2668	CB	ILE	437	53.259	89.508	90.596	1.00	46.60
ATOM	2669	CG2	ILE	437	53.123	88.263	91.473	1.00	42.38
ATOM	2670	CG1	ILE	437	52.015	90.393	90.752	1.00	48.50
ATOM	2671	CD1	ILE	437	51.671	91.225	89.513	1.00	48.60
ATOM	2672	C	ILE	437	55.751	89.463	90.476	1.00	46.43
ATOM	2673	O	ILE	437	56.179	89.615	89.324	1.00	47.38
ATOM	2674	N	ILE	437	54.637	91.629	90.302	1.00	47.00
ATOM	2675	CA	ILE	437	54.566	90.290	90.965	1.00	47.20
ATOM	2676	N	LYS	438	56.291	88.622	91.355	1.00	43.78
ATOM	2677	CA	LYS	438	57.413	87.764	91.001	1.00	40.48
ATOM	2678	CB	LYS	438	58.472	87.761	92.100	1.00	43.36
ATOM	2679	CG	LYS	438	59.340	89.005	92.099	1.00	52.37
ATOM	2680	CD	LYS	438	60.428	88.957	93.164	1.00	57.07
ATOM	2681	CE	LYS	438	61.260	90.234	93.136	1.00	57.16
ATOM	2682	NZ	LYS	438	62.246	90.282	94.245	1.00	58.75
ATOM	2683	C	LYS	438	56.919	86.350	90.749	1.00	37.61
ATOM	2684	O	LYS	438	56.197	85.778	91.564	1.00	37.45
ATOM	2685	N	VAL	439	57.249	85.835	89.572	1.00	34.22
ATOM	2686	CA	VAL	439	56.871	84.489	89.175	1.00	29.77
ATOM	2687	CB	VAL	439	56.519	84.430	87.670	1.00	25.38
ATOM	2688	CG1	VAL	439	56.312	82.994	87.224	1.00	24.88
ATOM	2689	CG2	VAL	439	55.279	85.246	87.396	1.00	22.94
ATOM	2690	C	VAL	439	58.098	83.637	89.436	1.00	29.52
ATOM	2691	O	VAL	439	59.152	83.867	88.836	1.00	30.63
ATOM	2692	N	ALA	440	57.991	82.723	90.392	1.00	28.23
ATOM	2693	CA	ALA	440	59.104	81.843	90.720	1.00	26.56
ATOM	2694	CB	ALA	440	58.859	81.151	92.037	1.00	23.10
ATOM	2695	C	ALA	440	59.277	80.818	89.606	1.00	26.95
ATOM	2696	O	ALA	440	58.298	80.297	89.072	1.00	28.49
ATOM	2697	N	GLN	441	60.524	80.584	89.212	1.00	26.65
ATOM	2698	CA	GLN	441	60.841	79.625	88.163	1.00	23.30
ATOM	2699	CB	GLN	441	61.463	80.328	86.967	1.00	22.34
ATOM	2700	CG	GLN	441	60.483	81.223	86.245	1.00	26.34
ATOM	2701	CD	GLN	441	61.126	81.994	85.126	1.00	30.83
ATOM	2702	OE1	GLN	441	61.199	83.226	85.164	1.00	32.45
ATOM	2703	NE2	GLN	441	61.608	81.277	84.119	1.00	32.37
ATOM	2704	C	GLN	441	61.787	78.582	88.700	1.00	22.70
ATOM	2705	O	GLN	441	62.100	77.609	88.017	1.00	24.78
ATOM	2706	N	GLY	442	62.192	78.763	89.949	1.00	21.19
ATOM	2707	CA	GLY	442	63.092	77.828	90.584	1.00	21.43
ATOM	2708	C	GLY	442	62.534	77.485	91.945	1.00	21.81
ATOM	2709	O	GLY	442	61.635	78.168	92.436	1.00	22.56
ATOM	2710	N	VAL	443	63.117	76.471	92.574	1.00	21.86
ATOM	2711	CA	VAL	443	62.699	75.985	93.886	1.00	20.15

APPROVED	O.G. FIG.	
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DRAFTSMAN		

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 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 47/118

FIG. 1A-47

ATOM	2712	CB	VAL	443	62.124	74.542	93.720	1.00	19.51
ATOM	2713	CG1	VAL	443	62.997	73.490	94.406	1.00	18.43
ATOM	2714	CG2	VAL	443	60.692	74.487	94.176	1.00	20.94
ATOM	2715	C	VAL	443	63.908	76.010	94.839	1.00	20.65
ATOM	2716	O	VAL	443	65.054	76.084	94.381	1.00	20.98
ATOM	2717	N	SER	444	63.657	75.985	96.149	1.00	21.18
ATOM	2718	CA	SER	444	64.733	75.988	97.149	1.00	21.80
ATOM	2719	CB	SER	444	64.582	77.171	98.108	1.00	24.85
ATOM	2720	OG	SER	444	64.906	78.399	97.480	1.00	33.77
ATOM	2721	C	SER	444	64.827	74.688	97.960	1.00	22.20
ATOM	2722	O	SER	444	63.955	74.394	98.791	1.00	23.12
ATOM	2723	N	GLY	445	65.917	73.948	97.777	1.00	21.40
ATOM	2724	CA	GLY	445	66.068	72.700	98.495	1.00	22.02
ATOM	2725	C	GLY	445	67.439	72.436	99.076	1.00	23.53
ATOM	2726	O	GLY	445	68.217	73.362	99.316	1.00	25.01
ATOM	2727	N	ALA	446	67.729	71.164	99.319	1.00	22.46
ATOM	2728	CA	ALA	446	69.004	70.768	99.890	1.00	21.42
ATOM	2729	CB	ALA	446	68.890	70.614	101.396	1.00	19.79
ATOM	2730	C	ALA	446	69.422	69.459	99.277	1.00	22.96
ATOM	2731	O	ALA	446	68.576	68.627	98.946	1.00	24.40
ATOM	2732	N	VAL	447	70.731	69.287	99.129	1.00	24.30
ATOM	2733	CA	VAL	447	71.326	68.080	98.572	1.00	23.81
ATOM	2734	CB	VAL	447	72.068	68.389	97.260	1.00	22.59
ATOM	2735	CG1	VAL	447	71.078	68.801	96.195	1.00	23.88
ATOM	2736	CG2	VAL	447	73.048	69.515	97.467	1.00	28.09
ATOM	2737	C	VAL	447	72.284	67.467	99.607	1.00	25.54
ATOM	2738	O	VAL	447	72.765	68.155	100.510	1.00	26.03
ATOM	2739	N	GLN	448	72.530	66.168	99.491	1.00	26.62
ATOM	2740	CA	GLN	448	73.401	65.460	100.420	1.00	27.39
ATOM	2741	CB	GLN	448	73.033	63.973	100.424	1.00	30.61
ATOM	2742	CG	GLN	448	73.722	63.113	101.477	1.00	33.45
ATOM	2743	CD	GLN	448	73.330	61.636	101.390	1.00	36.95
ATOM	2744	OE1	GLN	448	73.820	60.811	102.160	1.00	40.13
ATOM	2745	NE2	GLN	448	72.443	61.300	100.454	1.00	37.67
ATOM	2746	C	GLN	448	74.877	65.654	100.068	1.00	28.24
ATOM	2747	O	GLN	448	75.249	65.660	98.896	1.00	30.00
ATOM	2748	N	ASP	449	75.694	65.816	101.106	1.00	29.14
ATOM	2749	CA	ASP	449	77.142	66.029	101.025	1.00	26.21
ATOM	2750	CB	ASP	449	77.724	65.825	102.434	1.00	28.70
ATOM	2751	CG	ASP	449	79.212	66.116	102.524	1.00	33.19
ATOM	2752	OD1	ASP	449	79.789	66.694	101.582	1.00	35.84
ATOM	2753	OD2	ASP	449	79.811	65.771	103.566	1.00	34.41
ATOM	2754	C	ASP	449	77.842	65.112	100.022	1.00	23.36
ATOM	2755	O	ASP	449	77.731	63.895	100.114	1.00	23.48
ATOM	2756	N	LYS	450	78.582	65.708	99.087	1.00	23.13
ATOM	2757	CA	LYS	450	79.319	64.962	98.056	1.00	23.09
ATOM	2758	CB	LYS	450	79.048	65.539	96.665	1.00	24.74
ATOM	2759	CG	LYS	450	77.600	65.522	96.251	1.00	30.34
ATOM	2760	CD	LYS	450	77.445	65.993	94.816	1.00	34.49
ATOM	2761	CE	LYS	450	75.982	66.200	94.487	1.00	38.17
ATOM	2762	NZ	LYS	450	75.383	67.270	95.338	1.00	42.96
ATOM	2763	C	LYS	450	80.833	64.953	98.281	1.00	23.02
ATOM	2764	O	LYS	450	81.582	64.347	97.507	1.00	21.57
ATOM	2765	N	GLY	451	81.283	65.643	99.321	1.00	22.90
ATOM	2766	CA	GLY	451	82.701	65.694	99.611	1.00	23.16
ATOM	2767	C	GLY	451	83.381	66.831	98.874	1.00	23.95
ATOM	2768	O	GLY	451	82.729	67.801	98.485	1.00	24.66
ATOM	2769	N	SER	452	84.689	66.704	98.663	1.00	22.79
ATOM	2770	CA	SER	452	85.464	67.735	97.990	1.00	19.59

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 1A-48

ATOM	2771	CB	SER	452	86.909	67.718	98.502	1.00	19.37
ATOM	2772	OG	SER	452	87.726	68.650	97.808	1.00	19.18
ATOM	2773	C	SER	452	85.463	67.616	96.482	1.00	17.85
ATOM	2774	O	SER	452	85.449	66.514	95.936	1.00	19.84
ATOM	2775	N	ILE	453	85.547	68.766	95.820	1.00	16.24
ATOM	2776	CA	ILE	453	85.604	68.843	94.369	1.00	14.58
ATOM	2777	CB	ILE	453	85.722	70.307	93.884	1.00	12.83
ATOM	2778	CG2	ILE	453	86.387	70.376	92.525	1.00	10.62
ATOM	2779	CG1	ILE	453	84.349	70.958	93.807	1.00	14.75
ATOM	2780	CD1	ILE	453	83.437	70.321	92.791	1.00	14.86
ATOM	2781	C	ILE	453	86.880	68.118	93.990	1.00	16.06
ATOM	2782	O	ILE	453	86.919	67.393	93.005	1.00	17.00
ATOM	2783	N	HIS	454	87.900	68.257	94.831	1.00	17.66
ATOM	2784	CA	HIS	454	89.191	67.626	94.575	1.00	20.84
ATOM	2785	CB	HIS	454	90.263	68.161	95.534	1.00	21.96
ATOM	2786	CG	HIS	454	90.627	69.594	95.290	1.00	25.98
ATOM	2787	CD2	HIS	454	90.299	70.725	95.961	1.00	27.87
ATOM	2788	ND1	HIS	454	91.410	69.996	94.228	1.00	28.38
ATOM	2789	CE1	HIS	454	91.551	71.312	94.254	1.00	27.52
ATOM	2790	NE2	HIS	454	90.885	71.777	95.297	1.00	28.90
ATOM	2791	C	HIS	454	89.160	66.096	94.564	1.00	20.36
ATOM	2792	O	HIS	454	90.147	65.449	94.206	1.00	19.89
ATOM	2793	N	LYS	455	88.032	65.516	94.950	1.00	19.40
ATOM	2794	CA	LYS	455	87.909	64.070	94.926	1.00	21.55
ATOM	2795	CB	LYS	455	87.551	63.520	96.308	1.00	23.22
ATOM	2796	CG	LYS	455	88.653	63.668	97.367	1.00	29.03
ATOM	2797	CD	LYS	455	89.945	62.933	96.994	1.00	37.13
ATOM	2798	CE	LYS	455	89.757	61.421	96.873	1.00	45.38
ATOM	2799	NZ	LYS	455	89.383	60.783	98.171	1.00	51.78
ATOM	2800	C	LYS	455	86.819	63.728	93.920	1.00	22.09
ATOM	2801	O	LYS	455	86.992	62.862	93.051	1.00	21.63
ATOM	2802	N	PHE	456	85.733	64.489	93.980	1.00	21.70
ATOM	2803	CA	PHE	456	84.599	64.272	93.101	1.00	20.89
ATOM	2804	CB	PHE	456	83.416	65.142	93.523	1.00	18.96
ATOM	2805	CG	PHE	456	82.130	64.771	92.858	1.00	16.22
ATOM	2806	CD1	PHE	456	81.401	63.671	93.296	1.00	18.25
ATOM	2807	CD2	PHE	456	81.641	65.521	91.796	1.00	15.63
ATOM	2808	CE1	PHE	456	80.197	63.319	92.684	1.00	19.07
ATOM	2809	CE2	PHE	456	80.446	65.184	91.177	1.00	17.34
ATOM	2810	CZ	PHE	456	79.719	64.078	91.622	1.00	20.36
ATOM	2811	C	PHE	456	84.918	64.487	91.632	1.00	19.73
ATOM	2812	O	PHE	456	84.580	63.636	90.805	1.00	22.69
ATOM	2813	N	VAL	457	85.563	65.601	91.296	1.00	17.27
ATOM	2814	CA	VAL	457	85.891	65.868	89.899	1.00	17.66
ATOM	2815	CB	VAL	457	86.424	67.307	89.664	1.00	18.94
ATOM	2816	CG1	VAL	457	86.985	67.457	88.240	1.00	16.68
ATOM	2817	CG2	VAL	457	85.281	68.295	89.853	1.00	16.75
ATOM	2818	C	VAL	457	86.799	64.800	89.298	1.00	16.95
ATOM	2819	O	VAL	457	86.588	64.383	88.158	1.00	18.92
ATOM	2820	N	PRO	458	87.833	64.358	90.035	1.00	16.13
ATOM	2821	CD	PRO	458	88.457	64.985	91.214	1.00	15.29
ATOM	2822	CA	PRO	458	88.710	63.313	89.489	1.00	15.15
ATOM	2823	CB	PRO	458	89.669	63.058	90.638	1.00	12.23
ATOM	2824	CG	PRO	458	89.866	64.440	91.171	1.00	13.07
ATOM	2825	C	PRO	458	87.881	62.074	89.176	1.00	15.35
ATOM	2826	O	PRO	458	88.106	61.392	88.168	1.00	15.34
ATOM	2827	N	TYR	459	86.901	61.809	90.034	1.00	17.57
ATOM	2828	CA	TYR	459	86.008	60.675	89.856	1.00	18.14
ATOM	2829	CB	TYR	459	85.077	60.521	91.059	1.00	17.11

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed October 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 49/118

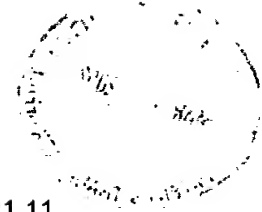


FIG. 1A-49

ATOM	2830	CG	TYR	459	83.808	59.775	90.725	1.00	21.11
ATOM	2831	CD1	TYR	459	83.826	58.407	90.420	1.00	18.93
ATOM	2832	CE1	TYR	459	82.671	57.751	90.004	1.00	14.76
ATOM	2833	CD2	TYR	459	82.597	60.457	90.625	1.00	20.85
ATOM	2834	CE2	TYR	459	81.446	59.815	90.213	1.00	15.55
ATOM	2835	CZ	TYR	459	81.488	58.470	89.903	1.00	13.80
ATOM	2836	OH	TYR	459	80.340	57.885	89.442	1.00	13.75
ATOM	2837	C	TYR	459	85.203	60.830	88.559	1.00	20.12
ATOM	2838	O	TYR	459	85.135	59.896	87.758	1.00	22.54
ATOM	2839	N	LEU	460	84.590	61.996	88.351	1.00	18.20
ATOM	2840	CA	LEU	460	83.824	62.232	87.126	1.00	15.92
ATOM	2841	CB	LEU	460	83.214	63.638	87.115	1.00	15.26
ATOM	2842	CG	LEU	460	82.226	63.958	88.233	1.00	14.02
ATOM	2843	CD1	LEU	460	81.818	65.404	88.150	1.00	12.72
ATOM	2844	CD2	LEU	460	81.020	63.058	88.143	1.00	12.27
ATOM	2845	C	LEU	460	84.735	62.052	85.916	1.00	15.36
ATOM	2846	O	LEU	460	84.326	61.488	84.902	1.00	15.87
ATOM	2847	N	ILE	461	85.970	62.542	86.027	1.00	16.13
ATOM	2848	CA	ILE	461	86.968	62.428	84.952	1.00	15.25
ATOM	2849	CB	ILE	461	88.288	63.144	85.336	1.00	14.67
ATOM	2850	CG2	ILE	461	89.444	62.676	84.463	1.00	9.67
ATOM	2851	CG1	ILE	461	88.103	64.667	85.247	1.00	17.36
ATOM	2852	CD1	ILE	461	89.216	65.455	85.902	1.00	16.02
ATOM	2853	C	ILE	461	87.233	60.951	84.640	1.00	15.38
ATOM	2854	O	ILE	461	87.260	60.551	83.476	1.00	14.40
ATOM	2855	N	ALA	462	87.395	60.143	85.683	1.00	14.36
ATOM	2856	CA	ALA	462	87.622	58.722	85.500	1.00	15.50
ATOM	2857	CB	ALA	462	87.932	58.070	86.830	1.00	14.39
ATOM	2858	C	ALA	462	86.379	58.093	84.871	1.00	17.54
ATOM	2859	O	ALA	462	86.473	57.338	83.902	1.00	19.03
ATOM	2860	N	GLY	463	85.211	58.440	85.399	1.00	18.74
ATOM	2861	CA	GLY	463	83.968	57.899	84.884	1.00	18.66
ATOM	2862	C	GLY	463	83.795	58.158	83.403	1.00	19.50
ATOM	2863	O	GLY	463	83.533	57.224	82.638	1.00	20.45
ATOM	2864	N	ILE	464	83.992	59.410	82.992	1.00	18.46
ATOM	2865	CA	ILE	464	83.845	59.797	81.594	1.00	18.81
ATOM	2866	CB	ILE	464	84.106	61.298	81.371	1.00	16.10
ATOM	2867	CG2	ILE	464	83.833	61.663	79.915	1.00	13.53
ATOM	2868	CG1	ILE	464	83.196	62.129	82.270	1.00	12.34
ATOM	2869	CD1	ILE	464	83.384	63.605	82.091	1.00	13.25
ATOM	2870	C	ILE	464	84.791	59.007	80.703	1.00	21.38
ATOM	2871	O	ILE	464	84.399	58.551	79.622	1.00	22.86
ATOM	2872	N	GLN	465	86.024	58.826	81.177	1.00	20.93
ATOM	2873	CA	GLN	465	87.050	58.085	80.443	1.00	19.17
ATOM	2874	CB	GLN	465	88.360	58.086	81.216	1.00	16.09
ATOM	2875	CG	GLN	465	89.063	59.411	81.190	1.00	13.01
ATOM	2876	CD	GLN	465	90.394	59.341	81.867	1.00	12.51
ATOM	2877	OE1	GLN	465	90.513	58.832	82.983	1.00	14.37
ATOM	2878	NE2	GLN	465	91.418	59.829	81.193	1.00	16.53
ATOM	2879	C	GLN	465	86.659	56.650	80.132	1.00	20.16
ATOM	2880	O	GLN	465	86.902	56.159	79.027	1.00	22.29
ATOM	2881	N	HIS	466	86.084	55.964	81.113	1.00	20.52
ATOM	2882	CA	HIS	466	85.658	54.586	80.911	1.00	21.13
ATOM	2883	CB	HIS	466	85.157	53.979	82.218	1.00	24.96
ATOM	2884	CG	HIS	466	86.235	53.772	83.235	1.00	31.10
ATOM	2885	CD2	HIS	466	86.820	54.632	84.100	1.00	30.04
ATOM	2886	ND1	HIS	466	86.847	52.554	83.432	1.00	36.54
ATOM	2887	CE1	HIS	466	87.763	52.673	84.374	1.00	37.26
ATOM	2888	NE2	HIS	466	87.768	53.924	84.795	1.00	34.17

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants: Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
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 DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 50/118

FIG. 1A-50

ATOM	2889	C	HIS	466	84.565	54.536	79.846	1.00	21.83
ATOM	2890	O	HIS	466	84.597	53.688	78.955	1.00	22.78
ATOM	2891	N	SER	467	83.623	55.475	79.913	1.00	21.38
ATOM	2892	CA	SER	467	82.541	55.528	78.939	1.00	18.96
ATOM	2893	CB	SER	467	81.607	56.692	79.242	1.00	19.31
ATOM	2894	OG	SER	467	80.530	56.712	78.336	1.00	19.95
ATOM	2895	C	SER	467	83.124	55.653	77.539	1.00	17.24
ATOM	2896	O	SER	467	82.725	54.928	76.639	1.00	20.25
ATOM	2897	N	CYS	468	84.087	56.553	77.361	1.00	17.11
ATOM	2898	CA	CYS	468	84.738	56.727	76.067	1.00	15.35
ATOM	2899	CB	CYS	468	85.823	57.810	76.120	1.00	15.72
ATOM	2900	SG	CYS	468	85.235	59.525	75.957	1.00	15.92
ATOM	2901	C	CYS	468	85.366	55.413	75.649	1.00	15.52
ATOM	2902	O	CYS	468	85.356	55.077	74.471	1.00	16.61
ATOM	2903	N	GLN	469	85.894	54.656	76.609	1.00	14.54
ATOM	2904	CA	GLN	469	86.505	53.376	76.285	1.00	14.20
ATOM	2905	CB	GLN	469	87.231	52.779	77.480	1.00	12.53
ATOM	2906	CG	GLN	469	87.852	51.442	77.130	1.00	10.20
ATOM	2907	CD	GLN	469	88.499	50.763	78.303	1.00	10.73
ATOM	2908	OE1	GLN	469	87.958	50.756	79.409	1.00	11.90
ATOM	2909	NE2	GLN	469	89.665	50.171	78.071	1.00	11.04
ATOM	2910	C	GLN	469	85.492	52.364	75.766	1.00	15.39
ATOM	2911	O	GLN	469	85.708	51.734	74.736	1.00	17.75
ATOM	2912	N	ASP	470	84.402	52.180	76.496	1.00	14.75
ATOM	2913	CA	ASP	470	83.384	51.240	76.078	1.00	14.71
ATOM	2914	CB	ASP	470	82.213	51.243	77.059	1.00	14.31
ATOM	2915	CG	ASP	470	82.524	50.507	78.352	1.00	16.63
ATOM	2916	OD1	ASP	470	83.543	49.784	78.426	1.00	13.27
ATOM	2917	OD2	ASP	470	81.720	50.650	79.299	1.00	17.13
ATOM	2918	C	ASP	470	82.890	51.580	74.679	1.00	15.71
ATOM	2919	O	ASP	470	82.766	50.701	73.826	1.00	15.68
ATOM	2920	N	ILE	471	82.656	52.864	74.427	1.00	15.09
ATOM	2921	CA	ILE	471	82.164	53.276	73.121	1.00	17.16
ATOM	2922	CB	ILE	471	81.410	54.644	73.178	1.00	15.42
ATOM	2923	CG2	ILE	471	80.441	54.662	74.361	1.00	12.68
ATOM	2924	CG1	ILE	471	82.379	55.815	73.305	1.00	16.88
ATOM	2925	CD1	ILE	471	81.675	57.153	73.500	1.00	19.09
ATOM	2926	C	ILE	471	83.245	53.261	72.033	1.00	18.70
ATOM	2927	O	ILE	471	82.945	53.462	70.855	1.00	21.58
ATOM	2928	N	GLY	472	84.488	52.986	72.429	1.00	18.31
ATOM	2929	CA	GLY	472	85.594	52.915	71.484	1.00	17.02
ATOM	2930	C	GLY	472	86.170	54.225	70.983	1.00	17.61
ATOM	2931	O	GLY	472	86.616	54.308	69.838	1.00	19.06
ATOM	2932	N	ALA	473	86.203	55.236	71.846	1.00	18.13
ATOM	2933	CA	ALA	473	86.735	56.552	71.490	1.00	16.93
ATOM	2934	CB	ALA	473	85.629	57.580	71.524	1.00	15.29
ATOM	2935	C	ALA	473	87.870	56.968	72.428	1.00	17.85
ATOM	2936	O	ALA	473	87.718	56.945	73.651	1.00	19.09
ATOM	2937	N	LYS	474	89.010	57.325	71.847	1.00	16.96
ATOM	2938	CA	LYS	474	90.182	57.748	72.611	1.00	17.79
ATOM	2939	CB	LYS	474	91.462	57.563	71.789	1.00	21.65
ATOM	2940	CG	LYS	474	91.817	56.137	71.397	1.00	31.55
ATOM	2941	CD	LYS	474	93.090	56.130	70.525	1.00	40.40
ATOM	2942	CE	LYS	474	93.447	54.741	69.987	1.00	44.48
ATOM	2943	NZ	LYS	474	93.906	53.804	71.052	1.00	47.47
ATOM	2944	C	LYS	474	90.121	59.202	73.065	1.00	15.79
ATOM	2945	O	LYS	474	90.995	59.643	73.801	1.00	15.96
ATOM	2946	N	SER	475	89.118	59.952	72.614	1.00	14.00
ATOM	2947	CA	SER	475	88.987	61.356	72.991	1.00	13.63

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed October 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 51/118

FIG. 1A-51

ATOM	2948	CB	SER	475	89.987	62.207	72.213	1.00	12.89
ATOM	2949	OG	SER	475	89.804	62.056	70.815	1.00	11.85
ATOM	2950	C	SER	475	87.590	61.892	72.727	1.00	14.26
ATOM	2951	O	SER	475	86.876	61.379	71.867	1.00	15.62
ATOM	2952	N	LEU	476	87.222	62.960	73.429	1.00	15.53
ATOM	2953	CA	LEU	476	85.903	63.572	73.258	1.00	16.54
ATOM	2954	CB	LEU	476	85.707	64.745	74.226	1.00	12.36
ATOM	2955	CG	LEU	476	85.603	64.398	75.718	1.00	11.06
ATOM	2956	CD1	LEU	476	85.238	65.641	76.512	1.00	6.39
ATOM	2957	CD2	LEU	476	84.557	63.318	75.932	1.00	9.52
ATOM	2958	C	LEU	476	85.736	64.036	71.823	1.00	17.37
ATOM	2959	O	LEU	476	84.658	63.935	71.238	1.00	19.71
ATOM	2960	N	THR	477	86.828	64.512	71.244	1.00	19.45
ATOM	2961	CA	THR	477	86.835	64.971	69.867	1.00	20.10
ATOM	2962	CB	THR	477	88.227	65.479	69.481	1.00	20.18
ATOM	2963	OG1	THR	477	88.655	66.456	70.438	1.00	20.52
ATOM	2964	CG2	THR	477	88.202	66.085	68.088	1.00	21.34
ATOM	2965	C	THR	477	86.473	63.801	68.956	1.00	20.32
ATOM	2966	O	THR	477	85.716	63.962	68.004	1.00	20.43
ATOM	2967	N	GLN	478	87.002	62.623	69.276	1.00	19.47
ATOM	2968	CA	GLN	478	86.735	61.430	68.485	1.00	19.30
ATOM	2969	CB	GLN	478	87.649	60.278	68.902	1.00	20.23
ATOM	2970	CG	GLN	478	87.681	59.135	67.896	1.00	21.67
ATOM	2971	CD	GLN	478	88.536	57.970	68.345	1.00	22.44
ATOM	2972	OE1	GLN	478	89.243	58.049	69.343	1.00	22.21
ATOM	2973	NE2	GLN	478	88.457	56.871	67.619	1.00	25.65
ATOM	2974	C	GLN	478	85.284	61.005	68.635	1.00	18.53
ATOM	2975	O	GLN	478	84.634	60.653	67.646	1.00	20.45
ATOM	2976	N	VAL	479	84.774	61.057	69.862	1.00	16.40
ATOM	2977	CA	VAL	479	83.390	60.676	70.122	1.00	15.90
ATOM	2978	CB	VAL	479	82.986	60.898	71.597	1.00	15.74
ATOM	2979	CG1	VAL	479	81.591	60.352	71.849	1.00	13.93
ATOM	2980	CG2	VAL	479	83.965	60.205	72.515	1.00	17.75
ATOM	2981	C	VAL	479	82.436	61.439	69.207	1.00	14.57
ATOM	2982	O	VAL	479	81.536	60.843	68.613	1.00	14.93
ATOM	2983	N	ARG	480	82.649	62.743	69.059	1.00	14.86
ATOM	2984	CA	ARG	480	81.788	63.537	68.180	1.00	14.83
ATOM	2985	CB	ARG	480	82.017	65.021	68.390	1.00	13.38
ATOM	2986	CG	ARG	480	81.403	65.513	69.661	1.00	13.20
ATOM	2987	CD	ARG	480	81.994	66.825	70.054	1.00	17.86
ATOM	2988	NE	ARG	480	82.330	66.787	71.468	1.00	27.35
ATOM	2989	CZ	ARG	480	83.501	67.159	71.967	1.00	31.62
ATOM	2990	NH1	ARG	480	84.459	67.606	71.162	1.00	30.46
ATOM	2991	NH2	ARG	480	83.718	67.065	73.273	1.00	35.55
ATOM	2992	C	ARG	480	81.925	63.179	66.706	1.00	13.45
ATOM	2993	O	ARG	480	80.930	63.121	65.986	1.00	13.13
ATOM	2994	N	ALA	481	83.145	62.909	66.260	1.00	13.31
ATOM	2995	CA	ALA	481	83.369	62.534	64.869	1.00	15.17
ATOM	2996	CB	ALA	481	84.844	62.311	64.610	1.00	16.26
ATOM	2997	C	ALA	481	82.590	61.256	64.590	1.00	16.54
ATOM	2998	O	ALA	481	81.852	61.177	63.605	1.00	18.67
ATOM	2999	N	MET	482	82.752	60.265	65.465	1.00	15.36
ATOM	3000	CA	MET	482	82.057	58.985	65.350	1.00	15.54
ATOM	3001	CB	MET	482	82.430	58.061	66.512	1.00	14.12
ATOM	3002	CG	MET	482	83.821	57.466	66.432	1.00	14.38
ATOM	3003	SD	MET	482	84.228	56.501	67.895	1.00	19.57
ATOM	3004	CE	MET	482	83.309	55.013	67.579	1.00	5.26
ATOM	3005	C	MET	482	80.544	59.175	65.333	1.00	17.70
ATOM	3006	O	MET	482	79.835	58.490	64.597	1.00	21.04

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 1A-52

ATOM	3007	N	MET	483	80.045	60.101	66.142	1.00	17.24
ATOM	3008	CA	MET	483	78.617	60.350	66.190	1.00	17.79
ATOM	3009	CB	MET	483	78.254	61.118	67.467	1.00	20.77
ATOM	3010	CG	MET	483	78.076	62.603	67.310	1.00	25.75
ATOM	3011	SD	MET	483	76.433	62.978	66.748	1.00	27.11
ATOM	3012	CE	MET	483	76.244	64.529	67.464	1.00	28.07
ATOM	3013	C	MET	483	78.141	61.057	64.921	1.00	17.84
ATOM	3014	O	MET	483	77.122	60.677	64.347	1.00	18.55
ATOM	3015	N	TYR	484	78.907	62.034	64.442	1.00	18.23
ATOM	3016	CA	TYR	484	78.553	62.769	63.221	1.00	18.32
ATOM	3017	CB	TYR	484	79.324	64.084	63.136	1.00	13.90
ATOM	3018	CG	TYR	484	78.821	65.154	64.062	1.00	12.61
ATOM	3019	CD1	TYR	484	77.504	65.594	64.000	1.00	10.69
ATOM	3020	CE1	TYR	484	77.044	66.605	64.854	1.00	11.90
ATOM	3021	CD2	TYR	484	79.670	65.740	64.999	1.00	13.80
ATOM	3022	CE2	TYR	484	79.228	66.741	65.851	1.00	10.55
ATOM	3023	CZ	TYR	484	77.916	67.169	65.772	1.00	8.99
ATOM	3024	OH	TYR	484	77.503	68.179	66.596	1.00	7.99
ATOM	3025	C	TYR	484	78.767	61.985	61.923	1.00	19.94
ATOM	3026	O	TYR	484	78.141	62.282	60.902	1.00	22.03
ATOM	3027	N	SER	485	79.671	61.012	61.951	1.00	18.19
ATOM	3028	CA	SER	485	79.947	60.192	60.775	1.00	18.62
ATOM	3029	CB	SER	485	81.329	59.558	60.882	1.00	21.82
ATOM	3030	OG	SER	485	81.401	58.715	62.023	1.00	27.56
ATOM	3031	C	SER	485	78.927	59.074	60.659	1.00	18.30
ATOM	3032	O	SER	485	78.865	58.388	59.639	1.00	19.04
ATOM	3033	N	GLY	486	78.200	58.840	61.747	1.00	17.81
ATOM	3034	CA	GLY	486	77.204	57.789	61.774	1.00	14.51
ATOM	3035	C	GLY	486	77.740	56.579	62.510	1.00	13.19
ATOM	3036	O	GLY	486	76.973	55.791	63.042	1.00	15.77
ATOM	3037	N	GLU	487	79.061	56.462	62.589	1.00	11.32
ATOM	3038	CA	GLU	487	79.705	55.335	63.251	1.00	10.96
ATOM	3039	CB	GLU	487	81.213	55.561	63.311	1.00	12.35
ATOM	3040	CG	GLU	487	81.980	54.438	63.999	1.00	11.26
ATOM	3041	CD	GLU	487	83.483	54.632	63.984	1.00	12.67
ATOM	3042	OE1	GLU	487	83.978	55.618	63.383	1.00	14.49
ATOM	3043	OE2	GLU	487	84.177	53.785	64.574	1.00	15.10
ATOM	3044	C	GLU	487	79.196	54.984	64.650	1.00	11.80
ATOM	3045	O	GLU	487	79.117	53.806	65.002	1.00	10.47
ATOM	3046	N	LEU	488	78.915	55.999	65.464	1.00	11.14
ATOM	3047	CA	LEU	488	78.433	55.769	66.819	1.00	9.95
ATOM	3048	CB	LEU	488	78.671	57.006	67.691	1.00	9.92
ATOM	3049	CG	LEU	488	78.505	56.890	69.213	1.00	10.98
ATOM	3050	CD1	LEU	488	79.352	55.770	69.767	1.00	13.79
ATOM	3051	CD2	LEU	488	78.912	58.186	69.869	1.00	10.11
ATOM	3052	C	LEU	488	76.951	55.448	66.731	1.00	12.30
ATOM	3053	O	LEU	488	76.206	56.132	66.034	1.00	13.80
ATOM	3054	N	LYS	489	76.529	54.385	67.407	1.00	12.49
ATOM	3055	CA	LYS	489	75.133	53.983	67.385	1.00	9.72
ATOM	3056	CB	LYS	489	75.013	52.534	66.927	1.00	7.65
ATOM	3057	CG	LYS	489	75.553	52.273	65.542	1.00	6.90
ATOM	3058	CD	LYS	489	74.793	53.048	64.486	1.00	8.74
ATOM	3059	CE	LYS	489	75.343	52.755	63.105	1.00	8.65
ATOM	3060	NZ	LYS	489	74.236	52.827	62.110	1.00	21.71
ATOM	3061	C	LYS	489	74.480	54.143	68.744	1.00	10.66
ATOM	3062	O	LYS	489	75.137	54.063	69.777	1.00	10.17
ATOM	3063	N	PHE	490	73.169	54.332	68.730	1.00	11.10
ATOM	3064	CA	PHE	490	72.391	54.500	69.941	1.00	10.52
ATOM	3065	CB	PHE	490	71.884	55.947	70.063	1.00	10.19

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed : September 2, 2000
 For : MOLECULES COMPRISING AN IMPDH-LIKE BINING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 53/118

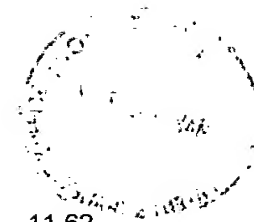


FIG. 1A-53

ATOM	3066	CG	PHE	490	72.968	56.987	69.999	1.00	11.62
ATOM	3067	CD1	PHE	490	73.510	57.375	68.784	1.00	10.59
ATOM	3068	CD2	PHE	490	73.450	57.576	71.161	1.00	14.71
ATOM	3069	CE1	PHE	490	74.513	58.332	68.728	1.00	10.01
ATOM	3070	CE2	PHE	490	74.456	58.537	71.113	1.00	11.23
ATOM	3071	CZ	PHE	490	74.987	58.911	69.899	1.00	8.86
ATOM	3072	C	PHE	490	71.186	53.585	69.808	1.00	12.95
ATOM	3073	O	PHE	490	70.974	52.955	68.754	1.00	12.71
ATOM	3074	N	GLU	491	70.404	53.523	70.883	1.00	13.66
ATOM	3075	CA	GLU	491	69.174	52.742	70.943	1.00	14.24
ATOM	3076	CB	GLU	491	69.480	51.260	71.171	1.00	14.20
ATOM	3077	CG	GLU	491	68.245	50.402	71.226	1.00	11.29
ATOM	3078	CD	GLU	491	68.526	48.976	70.870	1.00	12.52
ATOM	3079	OE1	GLU	491	68.577	48.667	69.662	1.00	14.42
ATOM	3080	OE2	GLU	491	68.704	48.168	71.796	1.00	12.45
ATOM	3081	C	GLU	491	68.252	53.288	72.050	1.00	15.42
ATOM	3082	O	GLU	491	68.698	53.544	73.177	1.00	15.37
ATOM	3083	N	LYS	492	66.989	53.521	71.704	1.00	15.56
ATOM	3084	CA	LYS	492	66.013	54.038	72.658	1.00	16.28
ATOM	3085	CB	LYS	492	64.674	54.295	71.970	1.00	16.97
ATOM	3086	CG	LYS	492	64.727	55.368	70.906	1.00	22.04
ATOM	3087	CD	LYS	492	63.471	55.376	70.050	1.00	30.69
ATOM	3088	CE	LYS	492	62.229	55.692	70.876	1.00	40.54
ATOM	3089	NZ	LYS	492	60.981	55.643	70.060	1.00	44.71
ATOM	3090	C	LYS	492	65.797	53.034	73.772	1.00	16.62
ATOM	3091	O	LYS	492	65.940	51.834	73.562	1.00	18.55
ATOM	3092	N	ARG	493	65.445	53.534	74.950	1.00	17.23
ATOM	3093	CA	ARG	493	65.184	52.698	76.114	1.00	15.40
ATOM	3094	CB	ARG	493	66.068	53.110	77.292	1.00	12.64
ATOM	3095	CG	ARG	493	67.464	52.564	77.237	1.00	16.13
ATOM	3096	CD	ARG	493	68.060	52.481	78.616	1.00	14.05
ATOM	3097	NE	ARG	493	68.213	53.788	79.232	1.00	15.84
ATOM	3098	CZ	ARG	493	68.714	53.978	80.450	1.00	19.92
ATOM	3099	NH1	ARG	493	69.108	52.940	81.179	1.00	17.89
ATOM	3100	NH2	ARG	493	68.816	55.206	80.947	1.00	20.74
ATOM	3101	C	ARG	493	63.741	52.822	76.559	1.00	16.72
ATOM	3102	O	ARG	493	63.316	53.891	76.991	1.00	17.93
ATOM	3103	N	THR	494	62.972	51.747	76.444	1.00	17.78
ATOM	3104	CA	THR	494	61.593	51.785	76.911	1.00	18.02
ATOM	3105	CB	THR	494	60.873	50.472	76.627	1.00	16.97
ATOM	3106	OG1	THR	494	61.699	49.381	77.047	1.00	19.57
ATOM	3107	CG2	THR	494	60.573	50.333	75.155	1.00	17.62
ATOM	3108	C	THR	494	61.700	51.959	78.425	1.00	19.69
ATOM	3109	O	THR	494	62.782	51.780	78.998	1.00	22.59
ATOM	3110	N	SER	495	60.602	52.311	79.079	1.00	19.02
ATOM	3111	CA	SER	495	60.608	52.496	80.523	1.00	18.50
ATOM	3112	CB	SER	495	59.226	52.910	80.981	1.00	24.80
ATOM	3113	OG	SER	495	58.776	53.997	80.183	1.00	39.46
ATOM	3114	C	SER	495	61.072	51.239	81.254	1.00	18.35
ATOM	3115	O	SER	495	61.835	51.326	82.214	1.00	17.67
ATOM	3116	N	SER	496	60.631	50.071	80.784	1.00	17.30
ATOM	3117	CA	SER	496	61.042	48.802	81.378	1.00	16.26
ATOM	3118	CB	SER	496	60.331	47.633	80.697	1.00	15.19
ATOM	3119	OG	SER	496	58.931	47.811	80.695	1.00	20.72
ATOM	3120	C	SER	496	62.545	48.665	81.156	1.00	17.45
ATOM	3121	O	SER	496	63.272	48.164	82.023	1.00	17.49
ATOM	3122	N	ALA	497	62.998	49.116	79.987	1.00	16.53
ATOM	3123	CA	ALA	497	64.403	49.069	79.625	1.00	16.21
ATOM	3124	CB	ALA	497	64.582	49.440	78.172	1.00	15.16

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed October 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
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 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 54/118

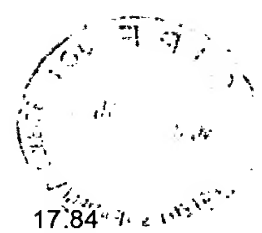


FIG. 1A-54

ATOM	3125	C	ALA	497	65.211	50.000	80.522	1.00	17.84
ATOM	3126	O	ALA	497	66.365	49.712	80.842	1.00	19.41
ATOM	3127	N	GLN	498	64.603	51.109	80.938	1.00	18.51
ATOM	3128	CA	GLN	498	65.268	52.067	81.829	1.00	18.22
ATOM	3129	CB	GLN	498	64.520	53.391	81.838	1.00	14.72
ATOM	3130	CG	GLN	498	64.614	54.155	80.542	1.00	16.17
ATOM	3131	CD	GLN	498	63.737	55.389	80.552	1.00	21.61
ATOM	3132	OE1	GLN	498	63.701	56.134	81.530	1.00	23.31
ATOM	3133	NE2	GLN	498	63.000	55.597	79.471	1.00	25.52
ATOM	3134	C	GLN	498	65.319	51.510	83.248	1.00	19.49
ATOM	3135	O	GLN	498	66.288	51.728	83.973	1.00	21.42
ATOM	3136	N	VAL	499	64.258	50.802	83.633	1.00	19.64
ATOM	3137	CA	VAL	499	64.137	50.166	84.945	1.00	20.58
ATOM	3138	CB	VAL	499	62.712	49.567	85.124	1.00	24.21
ATOM	3139	CG1	VAL	499	62.670	48.559	86.284	1.00	26.96
ATOM	3140	CG2	VAL	499	61.714	50.682	85.364	1.00	23.58
ATOM	3141	C	VAL	499	65.166	49.042	85.060	1.00	20.51
ATOM	3142	O	VAL	499	65.775	48.828	86.117	1.00	17.74
ATOM	3143	N	GLU	500	65.318	48.310	83.960	1.00	22.30
ATOM	3144	CA	GLU	500	66.255	47.202	83.871	1.00	22.71
ATOM	3145	CB	GLU	500	66.028	46.436	82.574	1.00	17.71
ATOM	3146	CG	GLU	500	67.069	45.379	82.317	1.00	17.26
ATOM	3147	CD	GLU	500	66.915	44.749	80.966	1.00	21.30
ATOM	3148	OE1	GLU	500	66.357	43.633	80.903	1.00	24.96
ATOM	3149	OE2	GLU	500	67.346	45.365	79.965	1.00	21.01
ATOM	3150	C	GLU	500	67.692	47.709	83.913	1.00	25.21
ATOM	3151	O	GLU	500	68.579	47.027	84.432	1.00	27.22
ATOM	3152	N	GLY	501	67.912	48.879	83.316	1.00	24.95
ATOM	3153	CA	GLY	501	69.230	49.484	83.285	1.00	23.31
ATOM	3154	C	GLY	501	69.723	49.914	84.653	1.00	23.43
ATOM	3155	O	GLY	501	70.931	49.967	84.885	1.00	24.54
ATOM	3156	N	GLY	502	68.801	50.268	85.544	1.00	22.98
ATOM	3157	CA	GLY	502	69.185	50.676	86.886	1.00	21.16
ATOM	3158	C	GLY	502	69.157	49.489	87.833	1.00	20.14
ATOM	3159	O	GLY	502	68.977	48.347	87.404	1.00	19.33
ATOM	3160	N	VAL	503	69.330	49.747	89.123	1.00	18.98
ATOM	3161	CA	VAL	503	69.304	48.679	90.113	1.00	19.85
ATOM	3162	CB	VAL	503	69.848	49.145	91.468	1.00	15.03
ATOM	3163	CG1	VAL	503	69.691	48.039	92.503	1.00	15.02
ATOM	3164	CG2	VAL	503	71.291	49.559	91.329	1.00	12.67
ATOM	3165	C	VAL	503	67.876	48.185	90.316	1.00	24.02
ATOM	3166	O	VAL	503	66.956	48.976	90.545	1.00	25.36
ATOM	3167	N	HIS	504	67.697	46.870	90.252	1.00	26.21
ATOM	3168	CA	HIS	504	66.383	46.270	90.443	1.00	27.57
ATOM	3169	CB	HIS	504	65.643	46.117	89.102	1.00	23.86
ATOM	3170	CG	HIS	504	66.377	45.298	88.078	1.00	21.19
ATOM	3171	CD2	HIS	504	67.136	45.667	87.021	1.00	19.48
ATOM	3172	ND1	HIS	504	66.340	43.919	88.056	1.00	16.78
ATOM	3173	CE1	HIS	504	67.044	43.478	87.029	1.00	11.24
ATOM	3174	NE2	HIS	504	67.539	44.517	86.387	1.00	12.99
ATOM	3175	C	HIS	504	66.492	44.922	91.135	1.00	29.67
ATOM	3176	O	HIS	504	67.588	44.401	91.334	1.00	29.30
ATOM	3177	N	SER	505	65.347	44.407	91.567	1.00	31.87
ATOM	3178	CA	SER	505	65.255	43.100	92.201	1.00	34.64
ATOM	3179	CB	SER	505	65.572	42.008	91.169	1.00	36.20
ATOM	3180	OG	SER	505	64.746	42.151	90.016	1.00	38.33
ATOM	3181	C	SER	505	66.070	42.882	93.476	1.00	36.15
ATOM	3182	O	SER	505	66.369	41.735	93.837	1.00	38.12
ATOM	3183	N	LEU	506	66.411	43.960	94.172	1.00	35.02

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed October 2, 2000
 F. MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 55/118

FIG. 1A-55

ATOM	3184	CA	LEU	506	67.161	43.825	95.415	1.00	35.93
ATOM	3185	CB	LEU	506	68.354	44.779	95.454	1.00	33.98
ATOM	3186	CG	LEU	506	69.443	44.537	94.419	1.00	32.60
ATOM	3187	CD1	LEU	506	70.627	45.416	94.745	1.00	31.60
ATOM	3188	CD2	LEU	506	69.842	43.068	94.416	1.00	30.24
ATOM	3189	C	LEU	506	66.245	44.112	96.591	1.00	37.40
ATOM	3190	O	LEU	506	65.313	44.911	96.478	1.00	39.36
ATOM	3191	N	HIS	507	66.475	43.433	97.707	1.00	37.50
ATOM	3192	CA	HIS	507	65.666	43.667	98.888	1.00	36.26
ATOM	3193	CB	HIS	507	65.771	42.502	99.863	1.00	36.36
ATOM	3194	CG	HIS	507	64.968	42.689	101.107	1.00	39.58
ATOM	3195	CD2	HIS	507	63.726	42.268	101.439	1.00	40.11
ATOM	3196	ND1	HIS	507	65.426	43.420	102.184	1.00	41.90
ATOM	3197	CE1	HIS	507	64.501	43.442	103.127	1.00	42.56
ATOM	3198	NE2	HIS	507	63.458	42.753	102.700	1.00	44.44
ATOM	3199	C	HIS	507	66.169	44.951	99.535	1.00	36.56
ATOM	3200	O	HIS	507	65.407	45.670	100.173	1.00	38.46
ATOM	3201	N	SER	508	67.458	45.227	99.372	1.00	36.54
ATOM	3202	CA	SER	508	68.083	46.427	99.917	1.00	36.63
ATOM	3203	CB	SER	508	68.229	46.328	101.438	1.00	37.89
ATOM	3204	OG	SER	508	69.053	45.232	101.811	1.00	39.59
ATOM	3205	C	SER	508	69.458	46.530	99.296	1.00	36.63
ATOM	3206	O	SER	508	69.994	45.527	98.824	1.00	36.76
ATOM	3207	N	TYR	509	70.012	47.738	99.274	1.00	37.19
ATOM	3208	CA	TYR	509	71.346	47.968	98.727	1.00	39.23
ATOM	3209	CB	TYR	509	71.360	47.768	97.208	1.00	33.64
ATOM	3210	CG	TYR	509	70.764	48.911	96.415	1.00	29.36
ATOM	3211	CD1	TYR	509	71.578	49.902	95.870	1.00	27.11
ATOM	3212	CE1	TYR	509	71.046	50.942	95.118	1.00	22.91
ATOM	3213	CD2	TYR	509	69.392	48.990	96.189	1.00	26.29
ATOM	3214	CE2	TYR	509	68.849	50.027	95.437	1.00	25.07
ATOM	3215	CZ	TYR	509	69.683	50.999	94.902	1.00	23.09
ATOM	3216	OH	TYR	509	69.155	52.024	94.146	1.00	24.38
ATOM	3217	C	TYR	509	71.835	49.374	99.048	1.00	42.36
ATOM	3218	O	TYR	509	71.051	50.252	99.404	1.00	43.20
ATOM	3219	N	GLU	510	73.138	49.574	98.930	1.00	46.38
ATOM	3220	CA	GLU	510	73.746	50.873	99.159	1.00	50.81
ATOM	3221	CB	GLU	510	74.723	50.813	100.334	1.00	53.83
ATOM	3222	CG	GLU	510	75.845	49.801	100.161	1.00	63.78
ATOM	3223	CD	GLU	510	76.718	49.675	101.394	1.00	71.79
ATOM	3224	OE1	GLU	510	76.330	48.919	102.314	1.00	75.41
ATOM	3225	OE2	GLU	510	77.788	50.325	101.441	1.00	73.41
ATOM	3226	C	GLU	510	74.482	51.166	97.857	1.00	52.99
ATOM	3227	O	GLU	510	74.884	50.238	97.148	1.00	53.50
ATOM	3228	N	LYS	511	74.621	52.439	97.509	1.00	54.97
ATOM	3229	CA	LYS	511	75.312	52.795	96.280	1.00	55.10
ATOM	3230	CB	LYS	511	74.354	53.494	95.312	1.00	56.27
ATOM	3231	CG	LYS	511	74.918	53.698	93.908	1.00	57.13
ATOM	3232	CD	LYS	511	73.909	54.392	92.994	1.00	58.18
ATOM	3233	CE	LYS	511	72.631	53.576	92.849	1.00	59.33
ATOM	3234	NZ	LYS	511	71.639	54.229	91.955	1.00	58.37
ATOM	3235	C	LYS	511	76.507	53.688	96.571	1.00	54.99
ATOM	3236	O	LYS	511	76.424	54.609	97.382	1.00	54.53
ATOM	3237	N	ARG	512	77.628	53.362	95.942	1.00	56.46
ATOM	3238	CA	ARG	512	78.868	54.115	96.081	1.00	57.97
ATOM	3239	CB	ARG	512	79.803	53.447	97.085	1.00	58.04
ATOM	3240	CG	ARG	512	79.468	53.766	98.529	1.00	62.49
ATOM	3241	CD	ARG	512	80.493	53.185	99.482	1.00	64.62
ATOM	3242	NE	ARG	512	80.419	51.727	99.537	1.00	63.61

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed : September 2, 2000
 For : MOLECULES COMPRISING AN IMPDH-LIKE BIN POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 56/118

FIG. 1A-56

ATOM	3243	CZ	ARG	512	81.447	50.933	99.823	1.00	61.12
ATOM	3244	NH1	ARG	512	82.644	51.445	100.083	1.00	56.55
ATOM	3245	NH2	ARG	512	81.269	49.621	99.853	1.00	61.94
ATOM	3246	C	ARG	512	79.500	54.115	94.702	1.00	58.54
ATOM	3247	O	ARG	512	79.178	53.252	93.884	1.00	59.96
ATOM	3248	N	LEU	513	80.391	55.065	94.434	1.00	57.83
ATOM	3249	CA	LEU	513	81.016	55.124	93.123	1.00	57.56
ATOM	3250	CB	LEU	513	80.303	56.148	92.257	1.00	61.92
ATOM	3251	CG	LEU	513	79.439	55.464	91.197	1.00	68.38
ATOM	3252	CD1	LEU	513	78.247	56.348	90.818	1.00	71.78
ATOM	3253	CD2	LEU	513	80.308	55.085	89.991	1.00	65.83
ATOM	3254	C	LEU	513	82.510	55.358	93.107	1.00	55.65
ATOM	3255	O	LEU	513	83.188	54.979	92.152	1.00	55.17
ATOM	3256	N	PHE	514	83.012	55.993	94.157	1.00	54.01
ATOM	3257	CA	PHE	514	84.434	56.272	94.282	1.00	52.79
ATOM	3258	CB	PHE	514	84.809	57.567	93.540	1.00	51.46
ATOM	3259	CG	PHE	514	84.134	58.813	94.071	1.00	47.21
ATOM	3260	CD1	PHE	514	82.819	59.113	93.731	1.00	45.39
ATOM	3261	CD2	PHE	514	84.833	59.707	94.873	1.00	42.42
ATOM	3262	CE1	PHE	514	82.217	60.281	94.180	1.00	44.25
ATOM	3263	CE2	PHE	514	84.238	60.874	95.325	1.00	41.86
ATOM	3264	CZ	PHE	514	82.930	61.163	94.978	1.00	43.49
ATOM	3265	C	PHE	514	84.837	56.352	95.752	1.00	52.80
ATOM	3266	O	PHE	514	83.988	55.991	96.597	1.00	52.32
ATOM	3267	CB	SER	1011	57.929	87.366	59.237	1.00	58.03
ATOM	3268	OG	SER	1011	58.006	88.780	59.293	1.00	63.01
ATOM	3269	C	SER	1011	59.129	85.247	59.802	1.00	54.25
ATOM	3270	O	SER	1011	60.185	84.781	59.351	1.00	53.59
ATOM	3271	N	SER	1011	60.325	87.376	59.863	1.00	55.40
ATOM	3272	CA	SER	1011	59.010	86.732	60.117	1.00	55.46
ATOM	3273	N	TYR	1012	58.046	84.513	60.043	1.00	51.61
ATOM	3274	CA	TYR	1012	58.026	83.086	59.791	1.00	48.08
ATOM	3275	CB	TYR	1012	56.873	82.419	60.545	1.00	41.27
ATOM	3276	CG	TYR	1012	56.809	80.925	60.332	1.00	34.35
ATOM	3277	CD1	TYR	1012	57.930	80.127	60.548	1.00	28.76
ATOM	3278	CE1	TYR	1012	57.899	78.760	60.325	1.00	29.64
ATOM	3279	CD2	TYR	1012	55.641	80.312	59.888	1.00	34.30
ATOM	3280	CE2	TYR	1012	55.597	78.934	59.663	1.00	36.50
ATOM	3281	CZ	TYR	1012	56.734	78.163	59.885	1.00	34.98
ATOM	3282	OH	TYR	1012	56.704	76.797	59.672	1.00	36.25
ATOM	3283	C	TYR	1012	57.892	82.790	58.309	1.00	48.56
ATOM	3284	O	TYR	1012	57.098	83.422	57.604	1.00	49.57
ATOM	3285	N	VAL	1013	58.707	81.859	57.833	1.00	48.25
ATOM	3286	CA	VAL	1013	58.651	81.436	56.446	1.00	47.55
ATOM	3287	CB	VAL	1013	59.816	81.975	55.598	1.00	48.39
ATOM	3288	CG1	VAL	1013	59.361	82.123	54.154	1.00	47.70
ATOM	3289	CG2	VAL	1013	60.348	83.289	56.162	1.00	49.99
ATOM	3290	C	VAL	1013	58.732	79.916	56.490	1.00	47.43
ATOM	3291	O	VAL	1013	59.714	79.348	56.978	1.00	47.21
ATOM	3292	N	PRO	1014	57.640	79.243	56.114	1.00	47.63
ATOM	3293	CD	PRO	1014	56.292	79.787	55.872	1.00	47.66
ATOM	3294	CA	PRO	1014	57.622	77.781	56.122	1.00	48.55
ATOM	3295	CB	PRO	1014	56.148	77.452	55.855	1.00	49.13
ATOM	3296	CG	PRO	1014	55.629	78.665	55.137	1.00	49.10
ATOM	3297	C	PRO	1014	58.568	77.153	55.097	1.00	48.71
ATOM	3298	O	PRO	1014	58.646	77.595	53.944	1.00	49.40
ATOM	3299	N	ASP	1015	59.323	76.153	55.549	1.00	48.60
ATOM	3300	CA	ASP	1015	60.273	75.454	54.687	1.00	48.10
ATOM	3301	CB	ASP	1015	61.138	74.468	55.501	1.00	53.10

APPROVED	O. G. FIG.
BY	CLASS SUBCLASS
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FIG. 1A-57

ATOM	3302	CG	ASP	1015	60.310	73.484	56.334	1.00	60.22
ATOM	3303	OD1	ASP	1015	59.891	73.846	57.460	1.00	63.12
ATOM	3304	OD2	ASP	1015	60.104	72.338	55.873	1.00	64.06
ATOM	3305	C	ASP	1015	59.552	74.750	53.538	1.00	44.68
ATOM	3306	O	ASP	1015	58.389	74.360	53.659	1.00	44.03
ATOM	3307	N	ASP	1016	60.250	74.583	52.425	1.00	40.80
ATOM	3308	CA	ASP	1016	59.657	73.952	51.264	1.00	38.03
ATOM	3309	CB	ASP	1016	59.204	75.037	50.278	1.00	39.43
ATOM	3310	CG	ASP	1016	57.769	74.858	49.822	1.00	38.43
ATOM	3311	OD1	ASP	1016	57.008	75.848	49.852	1.00	34.54
ATOM	3312	OD2	ASP	1016	57.405	73.730	49.430	1.00	41.54
ATOM	3313	C	ASP	1016	60.665	73.024	50.594	1.00	35.83
ATOM	3314	O	ASP	1016	61.813	73.399	50.366	1.00	37.51
ATOM	3315	N	GLY	1017	60.230	71.811	50.285	1.00	32.24
ATOM	3316	CA	GLY	1017	61.101	70.858	49.630	1.00	27.23
ATOM	3317	C	GLY	1017	61.868	69.973	50.589	1.00	25.42
ATOM	3318	O	GLY	1017	61.837	70.165	51.804	1.00	27.96
ATOM	3319	N	LEU	1018	62.552	68.985	50.029	1.00	22.02
ATOM	3320	CA	LEU	1018	63.340	68.043	50.798	1.00	18.75
ATOM	3321	CB	LEU	1018	63.108	66.632	50.268	1.00	17.25
ATOM	3322	CG	LEU	1018	61.713	66.062	50.485	1.00	16.23
ATOM	3323	CD1	LEU	1018	61.601	64.734	49.768	1.00	16.81
ATOM	3324	CD2	LEU	1018	61.452	65.896	51.978	1.00	13.24
ATOM	3325	C	LEU	1018	64.814	68.361	50.687	1.00	15.88
ATOM	3326	O	LEU	1018	65.252	68.972	49.724	1.00	17.36
ATOM	3327	N	THR	1019	65.580	67.966	51.687	1.00	13.27
ATOM	3328	CA	THR	1019	67.007	68.179	51.634	1.00	14.14
ATOM	3329	CB	THR	1019	67.611	68.222	53.031	1.00	12.51
ATOM	3330	OG1	THR	1019	67.263	67.029	53.737	1.00	17.30
ATOM	3331	CG2	THR	1019	67.076	69.419	53.799	1.00	8.68
ATOM	3332	C	THR	1019	67.505	66.954	50.878	1.00	16.62
ATOM	3333	O	THR	1019	66.768	65.967	50.761	1.00	17.81
ATOM	3334	N	ALA	1020	68.723	67.007	50.341	1.00	16.80
ATOM	3335	CA	ALA	1020	69.253	65.872	49.598	1.00	16.84
ATOM	3336	CB	ALA	1020	70.620	66.183	49.042	1.00	17.48
ATOM	3337	C	ALA	1020	69.282	64.630	50.485	1.00	17.70
ATOM	3338	O	ALA	1020	69.021	63.514	50.020	1.00	19.09
ATOM	3339	N	GLN	1021	69.548	64.825	51.771	1.00	16.33
ATOM	3340	CA	GLN	1021	69.568	63.704	52.693	1.00	17.71
ATOM	3341	CB	GLN	1021	70.003	64.152	54.088	1.00	21.58
ATOM	3342	CG	GLN	1021	69.993	63.035	55.126	1.00	33.97
ATOM	3343	CD	GLN	1021	71.118	63.171	56.141	1.00	44.79
ATOM	3344	OE1	GLN	1021	71.121	64.087	56.972	1.00	47.71
ATOM	3345	NE2	GLN	1021	72.092	62.267	56.068	1.00	49.18
ATOM	3346	C	GLN	1021	68.202	63.012	52.754	1.00	17.20
ATOM	3347	O	GLN	1021	68.118	61.805	52.578	1.00	17.20
ATOM	3348	N	GLN	1022	67.131	63.778	52.944	1.00	16.52
ATOM	3349	CA	GLN	1022	65.790	63.202	53.028	1.00	15.89
ATOM	3350	CB	GLN	1022	64.758	64.276	53.323	1.00	15.47
ATOM	3351	CG	GLN	1022	65.023	65.126	54.536	1.00	17.25
ATOM	3352	CD	GLN	1022	63.960	66.191	54.684	1.00	23.78
ATOM	3353	OE1	GLN	1022	62.816	65.890	55.009	1.00	31.89
ATOM	3354	NE2	GLN	1022	64.318	67.436	54.403	1.00	26.89
ATOM	3355	C	GLN	1022	65.381	62.524	51.733	1.00	17.02
ATOM	3356	O	GLN	1022	64.887	61.402	51.731	1.00	19.29
ATOM	3357	N	LEU	1023	65.579	63.237	50.635	1.00	17.87
ATOM	3358	CA	LEU	1023	65.228	62.773	49.307	1.00	17.81
ATOM	3359	CB	LEU	1023	65.552	63.877	48.291	1.00	18.45
ATOM	3360	CG	LEU	1023	65.210	63.689	46.812	1.00	19.08

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
Application No. : 09/678,016 Filed October 2, 2000
For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
GRAPHICALLY DISPLAYING THEM
Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 58/118



FIG. 1A-58

ATOM	3361	CD1	LEU	1023	63.703	63.664	46.612	1.00	18.39
ATOM	3362	CD2	LEU	1023	65.827	64.815	46.014	1.00	16.88
ATOM	3363	C	LEU	1023	65.927	61.479	48.909	1.00	20.42
ATOM	3364	O	LEU	1023	65.280	60.543	48.436	1.00	19.06
ATOM	3365	N	PHE	1024	67.244	61.425	49.093	1.00	23.89
ATOM	3366	CA	PHE	1024	68.023	60.249	48.704	1.00	25.50
ATOM	3367	CB	PHE	1024	69.421	60.657	48.257	1.00	19.33
ATOM	3368	CG	PHE	1024	69.405	61.431	46.990	1.00	17.62
ATOM	3369	CD1	PHE	1024	69.404	60.778	45.770	1.00	16.25
ATOM	3370	CD2	PHE	1024	69.241	62.810	47.013	1.00	23.98
ATOM	3371	CE1	PHE	1024	69.226	61.477	44.590	1.00	21.25
ATOM	3372	CE2	PHE	1024	69.062	63.525	45.841	1.00	25.54
ATOM	3373	CZ	PHE	1024	69.052	62.856	44.625	1.00	27.04
ATOM	3374	C	PHE	1024	68.064	59.117	49.693	1.00	28.39
ATOM	3375	O	PHE	1024	68.248	57.961	49.321	1.00	30.05
ATOM	3376	N	ASN	1025	67.867	59.444	50.957	1.00	31.89
ATOM	3377	CA	ASN	1025	67.846	58.427	51.987	1.00	36.32
ATOM	3378	CB	ASN	1025	68.597	58.917	53.232	1.00	41.18
ATOM	3379	CG	ASN	1025	70.085	59.192	52.944	1.00	41.83
ATOM	3380	OD1	ASN	1025	70.957	58.409	53.319	1.00	47.33
ATOM	3381	ND2	ASN	1025	70.369	60.292	52.263	1.00	38.75
ATOM	3382	C	ASN	1025	66.357	58.169	52.207	1.00	36.28
ATOM	3383	O	ASN	1025	65.818	58.279	53.313	1.00	36.13
ATOM	3384	N	CYS	1026	65.724	57.839	51.080	1.00	36.85
ATOM	3385	CA	CYS	1026	64.298	57.551	50.945	1.00	34.82
ATOM	3386	CB	CYS	1026	63.662	58.629	50.061	1.00	37.24
ATOM	3387	SG	CYS	1026	62.051	59.254	50.560	1.00	47.39
ATOM	3388	C	CYS	1026	64.120	56.177	50.266	1.00	33.53
ATOM	3389	O	CYS	1026	63.007	55.667	50.174	1.00	32.71
ATOM	3390	N	GLY	1027	65.204	55.624	49.723	1.00	32.56
ATOM	3391	CA	GLY	1027	65.154	54.316	49.082	1.00	31.56
ATOM	3392	C	GLY	1027	64.429	54.193	47.749	1.00	31.84
ATOM	3393	O	GLY	1027	64.181	53.084	47.270	1.00	30.93
ATOM	3394	N	ASP	1028	64.141	55.323	47.119	1.00	31.14
ATOM	3395	CA	ASP	1028	63.421	55.326	45.853	1.00	30.56
ATOM	3396	CB	ASP	1028	62.755	56.691	45.623	1.00	36.90
ATOM	3397	CG	ASP	1028	61.541	56.924	46.530	1.00	43.07
ATOM	3398	OD1	ASP	1028	60.926	55.938	47.010	1.00	45.77
ATOM	3399	OD2	ASP	1028	61.193	58.108	46.742	1.00	46.97
ATOM	3400	C	ASP	1028	64.230	54.935	44.622	1.00	28.09
ATOM	3401	O	ASP	1028	63.652	54.695	43.563	1.00	28.66
ATOM	3402	N	GLY	1029	65.553	54.898	44.744	1.00	24.86
ATOM	3403	CA	GLY	1029	66.378	54.534	43.606	1.00	21.35
ATOM	3404	C	GLY	1029	66.189	55.526	42.471	1.00	21.27
ATOM	3405	O	GLY	1029	65.868	55.145	41.332	1.00	21.10
ATOM	3406	N	LEU	1030	66.397	56.806	42.774	1.00	20.08
ATOM	3407	CA	LEU	1030	66.225	57.848	41.772	1.00	18.05
ATOM	3408	CB	LEU	1030	65.340	58.992	42.303	1.00	17.70
ATOM	3409	CG	LEU	1030	65.138	59.328	43.782	1.00	14.68
ATOM	3410	CD1	LEU	1030	66.426	59.721	44.418	1.00	21.75
ATOM	3411	CD2	LEU	1030	64.175	60.474	43.905	1.00	13.20
ATOM	3412	C	LEU	1030	67.490	58.408	41.126	1.00	18.04
ATOM	3413	O	LEU	1030	68.601	58.272	41.651	1.00	15.80
ATOM	3414	N	THR	1031	67.303	58.964	39.932	1.00	18.36
ATOM	3415	CA	THR	1031	68.371	59.591	39.167	1.00	17.66
ATOM	3416	CB	THR	1031	68.653	58.880	37.850	1.00	17.35
ATOM	3417	OG1	THR	1031	67.489	58.168	37.410	1.00	20.68
ATOM	3418	CG2	THR	1031	69.798	57.957	38.023	1.00	19.52
ATOM	3419	C	THR	1031	68.014	61.024	38.850	1.00	17.30

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed October 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 59/118

FIG. 1A-59

ATOM	3420	O	THR	1031	66.990	61.528	39.295	1.00	18.68
ATOM	3421	N	TYR	1032	68.834	61.641	38.012	1.00	16.44
ATOM	3422	CA	TYR	1032	68.674	63.031	37.617	1.00	16.87
ATOM	3423	CB	TYR	1032	69.631	63.343	36.463	1.00	14.97
ATOM	3424	CG	TYR	1032	71.073	63.021	36.756	1.00	8.96
ATOM	3425	CD1	TYR	1032	71.641	63.357	37.975	1.00	11.80
ATOM	3426	CE1	TYR	1032	72.972	63.071	38.250	1.00	14.63
ATOM	3427	CD2	TYR	1032	71.870	62.390	35.809	1.00	5.18
ATOM	3428	CE2	TYR	1032	73.194	62.102	36.068	1.00	7.16
ATOM	3429	CZ	TYR	1032	73.746	62.447	37.291	1.00	12.40
ATOM	3430	OH	TYR	1032	75.074	62.186	37.557	1.00	13.92
ATOM	3431	C	TYR	1032	67.266	63.513	37.249	1.00	18.29
ATOM	3432	O	TYR	1032	66.758	64.472	37.834	1.00	16.95
ATOM	3433	N	ASN	1033	66.623	62.840	36.301	1.00	19.44
ATOM	3434	CA	ASN	1033	65.304	63.277	35.860	1.00	19.44
ATOM	3435	CB	ASN	1033	64.954	62.644	34.519	1.00	17.54
ATOM	3436	CG	ASN	1033	65.762	63.226	33.386	1.00	24.27
ATOM	3437	OD1	ASN	1033	66.375	64.288	33.528	1.00	27.27
ATOM	3438	ND2	ASN	1033	65.795	62.530	32.261	1.00	24.84
ATOM	3439	C	ASN	1033	64.154	63.126	36.833	1.00	19.96
ATOM	3440	O	ASN	1033	63.058	63.613	36.570	1.00	21.81
ATOM	3441	N	ASP	1034	64.413	62.507	37.977	1.00	18.51
ATOM	3442	CA	ASP	1034	63.369	62.288	38.966	1.00	16.08
ATOM	3443	CB	ASP	1034	63.602	60.964	39.695	1.00	13.85
ATOM	3444	CG	ASP	1034	63.376	59.770	38.806	1.00	17.69
ATOM	3445	OD1	ASP	1034	62.332	59.729	38.121	1.00	22.84
ATOM	3446	OD2	ASP	1034	64.242	58.877	38.783	1.00	17.41
ATOM	3447	C	ASP	1034	63.212	63.402	39.979	1.00	15.01
ATOM	3448	O	ASP	1034	62.325	63.326	40.835	1.00	17.19
ATOM	3449	N	PHE	1035	64.053	64.426	39.910	1.00	11.94
ATOM	3450	CA	PHE	1035	63.942	65.504	40.881	1.00	12.57
ATOM	3451	CB	PHE	1035	64.743	65.178	42.149	1.00	10.75
ATOM	3452	CG	PHE	1035	66.224	65.195	41.946	1.00	10.13
ATOM	3453	CD1	PHE	1035	66.943	66.375	42.108	1.00	12.40
ATOM	3454	CD2	PHE	1035	66.897	64.044	41.572	1.00	13.01
ATOM	3455	CE1	PHE	1035	68.315	66.405	41.901	1.00	14.59
ATOM	3456	CE2	PHE	1035	68.275	64.059	41.361	1.00	17.26
ATOM	3457	CZ	PHE	1035	68.986	65.241	41.524	1.00	16.88
ATOM	3458	C	PHE	1035	64.344	66.866	40.345	1.00	12.04
ATOM	3459	O	PHE	1035	64.903	66.984	39.257	1.00	11.35
ATOM	3460	N	LEU	1036	64.061	67.889	41.138	1.00	12.75
ATOM	3461	CA	LEU	1036	64.372	69.261	40.774	1.00	16.81
ATOM	3462	CB	LEU	1036	63.098	69.993	40.359	1.00	17.81
ATOM	3463	CG	LEU	1036	62.568	69.755	38.955	1.00	18.45
ATOM	3464	CD1	LEU	1036	61.203	70.408	38.829	1.00	15.39
ATOM	3465	CD2	LEU	1036	63.555	70.308	37.936	1.00	18.87
ATOM	3466	C	LEU	1036	64.992	70.009	41.941	1.00	17.35
ATOM	3467	O	LEU	1036	64.808	69.633	43.100	1.00	20.23
ATOM	3468	N	ILE	1037	65.745	71.056	41.626	1.00	15.55
ATOM	3469	CA	ILE	1037	66.354	71.878	42.648	1.00	12.98
ATOM	3470	CB	ILE	1037	67.771	72.312	42.254	1.00	13.94
ATOM	3471	CG2	ILE	1037	68.491	72.873	43.470	1.00	13.02
ATOM	3472	CG1	ILE	1037	68.555	71.115	41.698	1.00	16.53
ATOM	3473	CD1	ILE	1037	69.945	71.454	41.180	1.00	13.78
ATOM	3474	C	ILE	1037	65.445	73.095	42.706	1.00	13.09
ATOM	3475	O	ILE	1037	65.202	73.744	41.680	1.00	13.21
ATOM	3476	N	LEU	1038	64.861	73.344	43.869	1.00	10.11
ATOM	3477	CA	LEU	1038	63.980	74.486	44.014	1.00	10.59
ATOM	3478	CB	LEU	1038	63.183	74.398	45.322	1.00	10.09

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 1A-60

ATOM	3479	CG	LEU	1038	62.147	73.275	45.416	1.00	3.81
ATOM	3480	CD1	LEU	1038	61.367	73.428	46.684	1.00	3.17
ATOM	3481	CD2	LEU	1038	61.213	73.318	44.237	1.00	2.82
ATOM	3482	C	LEU	1038	64.849	75.738	43.976	1.00	12.67
ATOM	3483	O	LEU	1038	65.959	75.735	44.514	1.00	14.13
ATOM	3484	N	PRO	1039	64.375	76.811	43.311	1.00	12.96
ATOM	3485	CD	PRO	1039	63.052	76.923	42.671	1.00	13.41
ATOM	3486	CA	PRO	1039	65.115	78.075	43.194	1.00	11.42
ATOM	3487	CB	PRO	1039	64.226	78.890	42.262	1.00	12.86
ATOM	3488	CG	PRO	1039	62.853	78.408	42.613	1.00	11.92
ATOM	3489	C	PRO	1039	65.328	78.779	44.522	1.00	11.00
ATOM	3490	O	PRO	1039	64.657	78.473	45.505	1.00	12.52
ATOM	3491	N	GLY	1040	66.239	79.745	44.536	1.00	12.23
ATOM	3492	CA	GLY	1040	66.525	80.482	45.754	1.00	12.18
ATOM	3493	C	GLY	1040	66.517	81.987	45.570	1.00	12.14
ATOM	3494	O	GLY	1040	65.700	82.516	44.821	1.00	13.21
ATOM	3495	N	TYR	1041	67.434	82.671	46.248	1.00	13.56
ATOM	3496	CA	TYR	1041	67.542	84.127	46.182	1.00	13.97
ATOM	3497	CB	TYR	1041	67.703	84.702	47.593	1.00	14.19
ATOM	3498	CG	TYR	1041	67.872	86.207	47.636	1.00	17.57
ATOM	3499	CD1	TYR	1041	66.893	87.057	47.115	1.00	18.66
ATOM	3500	CE1	TYR	1041	67.054	88.441	47.137	1.00	18.65
ATOM	3501	CD2	TYR	1041	69.017	86.782	48.185	1.00	15.46
ATOM	3502	CE2	TYR	1041	69.183	88.163	48.213	1.00	18.22
ATOM	3503	CZ	TYR	1041	68.200	88.989	47.687	1.00	18.97
ATOM	3504	OH	TYR	1041	68.374	90.361	47.714	1.00	19.15
ATOM	3505	C	TYR	1041	68.720	84.550	45.313	1.00	14.59
ATOM	3506	O	TYR	1041	69.868	84.240	45.631	1.00	16.29
ATOM	3507	N	ILE	1042	68.434	85.272	44.231	1.00	15.26
ATOM	3508	CA	ILE	1042	69.469	85.742	43.306	1.00	14.94
ATOM	3509	CB	ILE	1042	68.926	85.844	41.871	1.00	11.71
ATOM	3510	CG2	ILE	1042	70.016	86.310	40.926	1.00	7.14
ATOM	3511	CG1	ILE	1042	68.367	84.483	41.444	1.00	8.36
ATOM	3512	CD1	ILE	1042	67.843	84.452	40.058	1.00	5.40
ATOM	3513	C	ILE	1042	70.068	87.074	43.744	1.00	17.59
ATOM	3514	O	ILE	1042	69.428	88.127	43.688	1.00	18.42
ATOM	3515	N	ASP	1043	71.331	87.011	44.130	1.00	21.17
ATOM	3516	CA	ASP	1043	72.060	88.163	44.629	1.00	24.79
ATOM	3517	CB	ASP	1043	72.676	87.773	45.978	1.00	25.19
ATOM	3518	CG	ASP	1043	72.641	88.897	46.981	1.00	33.67
ATOM	3519	OD1	ASP	1043	71.841	89.846	46.812	1.00	39.64
ATOM	3520	OD2	ASP	1043	73.410	88.823	47.961	1.00	37.45
ATOM	3521	C	ASP	1043	73.176	88.612	43.688	1.00	26.69
ATOM	3522	O	ASP	1043	73.903	89.564	43.990	1.00	28.10
ATOM	3523	N	PHE	1044	73.272	87.976	42.526	1.00	25.31
ATOM	3524	CA	PHE	1044	74.343	88.271	41.587	1.00	22.89
ATOM	3525	CB	PHE	1044	75.567	87.446	41.975	1.00	21.97
ATOM	3526	CG	PHE	1044	75.286	85.977	42.022	1.00	25.11
ATOM	3527	CD1	PHE	1044	74.503	85.440	43.048	1.00	24.61
ATOM	3528	CD2	PHE	1044	75.696	85.145	40.991	1.00	25.66
ATOM	3529	CE1	PHE	1044	74.127	84.108	43.034	1.00	22.42
ATOM	3530	CE2	PHE	1044	75.321	83.806	40.972	1.00	24.74
ATOM	3531	CZ	PHE	1044	74.535	83.291	41.994	1.00	23.97
ATOM	3532	C	PHE	1044	73.946	87.861	40.186	1.00	23.67
ATOM	3533	O	PHE	1044	72.930	87.193	39.974	1.00	24.13
ATOM	3534	N	THR	1045	74.810	88.195	39.240	1.00	24.33
ATOM	3535	CA	THR	1045	74.589	87.866	37.847	1.00	23.97
ATOM	3536	CB	THR	1045	75.099	88.999	36.918	1.00	21.89
ATOM	3537	OG1	THR	1045	76.524	89.071	36.965	1.00	22.39

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed : September 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BIN POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 61/118

FIG. 1A-61

ATOM	3538	CG2	THR	1045	74.551	90.335	37.382	1.00	17.41
ATOM	3539	C	THR	1045	75.307	86.552	37.558	1.00	24.74
ATOM	3540	O	THR	1045	76.320	86.234	38.189	1.00	23.80
ATOM	3541	N	ALA	1046	74.761	85.786	36.618	1.00	26.52
ATOM	3542	CA	ALA	1046	75.305	84.487	36.229	1.00	26.11
ATOM	3543	CB	ALA	1046	74.539	83.935	35.036	1.00	24.43
ATOM	3544	C	ALA	1046	76.792	84.490	35.929	1.00	26.72
ATOM	3545	O	ALA	1046	77.516	83.597	36.350	1.00	27.98
ATOM	3546	N	ASP	1047	77.255	85.504	35.212	1.00	29.16
ATOM	3547	CA	ASP	1047	78.666	85.586	34.851	1.00	31.33
ATOM	3548	CB	ASP	1047	78.923	86.779	33.923	1.00	38.14
ATOM	3549	CG	ASP	1047	78.465	88.107	34.519	1.00	46.25
ATOM	3550	OD1	ASP	1047	79.291	88.799	35.165	1.00	48.68
ATOM	3551	OD2	ASP	1047	77.279	88.467	34.319	1.00	50.20
ATOM	3552	C	ASP	1047	79.604	85.638	36.046	1.00	28.88
ATOM	3553	O	ASP	1047	80.810	85.557	35.890	1.00	31.35
ATOM	3554	N	GLN	1048	79.049	85.740	37.241	1.00	27.79
ATOM	3555	CA	GLN	1048	79.862	85.810	38.437	1.00	27.71
ATOM	3556	CB	GLN	1048	79.237	86.797	39.411	1.00	31.21
ATOM	3557	CG	GLN	1048	78.900	88.121	38.785	1.00	38.83
ATOM	3558	CD	GLN	1048	78.268	89.067	39.771	1.00	47.10
ATOM	3559	OE1	GLN	1048	77.175	89.582	39.547	1.00	49.42
ATOM	3560	NE2	GLN	1048	78.953	89.305	40.879	1.00	52.51
ATOM	3561	C	GLN	1048	80.025	84.471	39.133	1.00	26.49
ATOM	3562	O	GLN	1048	80.688	84.393	40.165	1.00	29.30
ATOM	3563	N	VAL	1049	79.406	83.427	38.598	1.00	23.74
ATOM	3564	CA	VAL	1049	79.486	82.120	39.220	1.00	19.66
ATOM	3565	CB	VAL	1049	78.365	81.196	38.736	1.00	19.77
ATOM	3566	CG1	VAL	1049	78.453	79.838	39.437	1.00	14.56
ATOM	3567	CG2	VAL	1049	77.014	81.850	39.003	1.00	21.34
ATOM	3568	C	VAL	1049	80.820	81.478	38.945	1.00	19.62
ATOM	3569	O	VAL	1049	81.276	81.442	37.810	1.00	22.57
ATOM	3570	N	ASP	1050	81.437	80.964	39.998	1.00	18.17
ATOM	3571	CA	ASP	1050	82.732	80.314	39.908	1.00	17.07
ATOM	3572	CB	ASP	1050	83.546	80.635	41.163	1.00	16.95
ATOM	3573	CG	ASP	1050	84.989	80.170	41.078	1.00	22.48
ATOM	3574	OD1	ASP	1050	85.453	79.784	39.982	1.00	26.67
ATOM	3575	OD2	ASP	1050	85.674	80.196	42.119	1.00	26.60
ATOM	3576	C	ASP	1050	82.540	78.807	39.784	1.00	18.43
ATOM	3577	O	ASP	1050	81.944	78.173	40.662	1.00	20.72
ATOM	3578	N	LEU	1051	83.053	78.231	38.700	1.00	17.50
ATOM	3579	CA	LEU	1051	82.944	76.792	38.483	1.00	14.50
ATOM	3580	CB	LEU	1051	82.500	76.493	37.052	1.00	7.44
ATOM	3581	CG	LEU	1051	81.227	77.157	36.539	1.00	5.31
ATOM	3582	CD1	LEU	1051	80.887	76.556	35.188	1.00	4.75
ATOM	3583	CD2	LEU	1051	80.076	76.967	37.519	1.00	3.50
ATOM	3584	C	LEU	1051	84.244	76.035	38.768	1.00	15.17
ATOM	3585	O	LEU	1051	84.392	74.894	38.344	1.00	14.20
ATOM	3586	N	THR	1052	85.194	76.669	39.452	1.00	18.28
ATOM	3587	CA	THR	1052	86.468	76.017	39.772	1.00	20.55
ATOM	3588	CB	THR	1052	87.351	76.892	40.686	1.00	22.00
ATOM	3589	OG1	THR	1052	87.488	78.202	40.115	1.00	16.85
ATOM	3590	CG2	THR	1052	88.731	76.270	40.827	1.00	19.87
ATOM	3591	C	THR	1052	86.172	74.698	40.470	1.00	20.87
ATOM	3592	O	THR	1052	85.483	74.677	41.489	1.00	20.43
ATOM	3593	N	SER	1053	86.701	73.608	39.922	1.00	23.45
ATOM	3594	CA	SER	1053	86.453	72.273	40.460	1.00	24.39
ATOM	3595	CB	SER	1053	85.559	71.492	39.496	1.00	25.65
ATOM	3596	OG	SER	1053	84.344	72.178	39.258	1.00	28.54

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



FIG. 1A-62

ATOM	3597	C	SER	1053	87.705	71.455	40.726	1.00	25.65
ATOM	3598	O	SER	1053	88.673	71.514	39.965	1.00	26.93
ATOM	3599	N	ALA	1054	87.663	70.664	41.796	1.00	24.99
ATOM	3600	CA	ALA	1054	88.775	69.799	42.170	1.00	22.41
ATOM	3601	CB	ALA	1054	88.768	69.564	43.664	1.00	21.17
ATOM	3602	C	ALA	1054	88.636	68.472	41.438	1.00	22.07
ATOM	3603	O	ALA	1054	87.684	67.729	41.678	1.00	24.02
ATOM	3604	N	LEU	1055	89.562	68.192	40.527	1.00	21.30
ATOM	3605	CA	LEU	1055	89.544	66.943	39.764	1.00	20.33
ATOM	3606	CB	LEU	1055	90.431	67.057	38.514	1.00	17.85
ATOM	3607	CG	LEU	1055	90.570	65.821	37.621	1.00	14.28
ATOM	3608	CD1	LEU	1055	89.285	65.584	36.870	1.00	14.74
ATOM	3609	CD2	LEU	1055	91.691	66.013	36.637	1.00	15.53
ATOM	3610	C	LEU	1055	90.037	65.793	40.641	1.00	20.19
ATOM	3611	O	LEU	1055	89.503	64.680	40.590	1.00	18.90
ATOM	3612	N	THR	1056	91.072	66.069	41.427	1.00	20.07
ATOM	3613	CA	THR	1056	91.663	65.082	42.316	1.00	19.85
ATOM	3614	CB	THR	1056	92.894	64.409	41.683	1.00	18.25
ATOM	3615	OG1	THR	1056	93.885	65.401	41.397	1.00	19.25
ATOM	3616	CG2	THR	1056	92.531	63.690	40.403	1.00	14.77
ATOM	3617	C	THR	1056	92.131	65.838	43.540	1.00	20.51
ATOM	3618	O	THR	1056	91.976	67.058	43.604	1.00	21.19
ATOM	3619	N	LYS	1057	92.722	65.128	44.497	1.00	21.94
ATOM	3620	CA	LYS	1057	93.220	65.761	45.714	1.00	23.37
ATOM	3621	CB	LYS	1057	93.972	64.764	46.588	1.00	21.65
ATOM	3622	CG	LYS	1057	93.112	63.737	47.272	1.00	19.15
ATOM	3623	CD	LYS	1057	93.705	63.415	48.622	1.00	17.97
ATOM	3624	CE	LYS	1057	93.180	62.105	49.138	1.00	27.69
ATOM	3625	NZ	LYS	1057	93.665	60.994	48.278	1.00	36.74
ATOM	3626	C	LYS	1057	94.142	66.935	45.423	1.00	26.24
ATOM	3627	O	LYS	1057	94.125	67.929	46.146	1.00	27.88
ATOM	3628	N	LYS	1058	94.956	66.818	44.375	1.00	28.24
ATOM	3629	CA	LYS	1058	95.876	67.890	44.021	1.00	28.47
ATOM	3630	CB	LYS	1058	97.334	67.441	44.196	1.00	31.38
ATOM	3631	CG	LYS	1058	97.711	67.172	45.662	1.00	35.79
ATOM	3632	CD	LYS	1058	99.219	67.048	45.876	1.00	41.70
ATOM	3633	CE	LYS	1058	99.818	65.871	45.107	1.00	45.88
ATOM	3634	NZ	LYS	1058	101.284	65.717	45.357	1.00	48.09
ATOM	3635	C	LYS	1058	95.647	68.564	42.663	1.00	27.92
ATOM	3636	O	LYS	1058	96.298	69.560	42.352	1.00	29.57
ATOM	3637	N	ILE	1059	94.732	68.040	41.852	1.00	26.71
ATOM	3638	CA	ILE	1059	94.434	68.674	40.570	1.00	24.61
ATOM	3639	CB	ILE	1059	94.403	67.678	39.404	1.00	20.79
ATOM	3640	CG2	ILE	1059	93.915	68.372	38.142	1.00	22.24
ATOM	3641	CG1	ILE	1059	95.800	67.113	39.159	1.00	21.03
ATOM	3642	CD1	ILE	1059	95.930	66.308	37.874	1.00	19.39
ATOM	3643	C	ILE	1059	93.095	69.415	40.656	1.00	25.03
ATOM	3644	O	ILE	1059	92.101	68.866	41.137	1.00	24.20
ATOM	3645	N	THR	1060	93.092	70.656	40.171	1.00	24.97
ATOM	3646	CA	THR	1060	91.924	71.540	40.174	1.00	24.93
ATOM	3647	CB	THR	1060	92.113	72.671	41.220	1.00	22.96
ATOM	3648	OG1	THR	1060	92.137	72.118	42.541	1.00	26.30
ATOM	3649	CG2	THR	1060	91.001	73.692	41.134	1.00	21.60
ATOM	3650	C	THR	1060	91.789	72.193	38.795	1.00	25.85
ATOM	3651	O	THR	1060	92.780	72.660	38.235	1.00	29.42
ATOM	3652	N	LEU	1061	90.578	72.230	38.251	1.00	23.74
ATOM	3653	CA	LEU	1061	90.341	72.831	36.945	1.00	21.19
ATOM	3654	CB	LEU	1061	89.598	71.847	36.052	1.00	20.39
ATOM	3655	CG	LEU	1061	90.136	70.423	35.971	1.00	20.17

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed : November 2, 2000
 For : MOLECULES COMPRISING AN IMPDH-LIKE BINING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 63/118

FIG. 1A-63

ATOM	3656	CD1	LEU	1061	89.053	69.484	35.447	1.00	15.54
ATOM	3657	CD2	LEU	1061	91.367	70.405	35.085	1.00	20.41
ATOM	3658	C	LEU	1061	89.480	74.067	37.115	1.00	22.35
ATOM	3659	O	LEU	1061	88.876	74.279	38.171	1.00	22.51
ATOM	3660	N	LYS	1062	89.391	74.867	36.061	1.00	24.07
ATOM	3661	CA	LYS	1062	88.578	76.078	36.093	1.00	25.75
ATOM	3662	CB	LYS	1062	89.028	77.063	35.008	1.00	30.52
ATOM	3663	CG	LYS	1062	90.476	77.540	35.142	1.00	34.98
ATOM	3664	CD	LYS	1062	90.667	78.567	36.249	1.00	35.68
ATOM	3665	CE	LYS	1062	92.160	78.787	36.548	1.00	40.74
ATOM	3666	NZ	LYS	1062	92.979	79.256	35.378	1.00	40.68
ATOM	3667	C	LYS	1062	87.115	75.714	35.884	1.00	25.76
ATOM	3668	O	LYS	1062	86.234	76.534	36.111	1.00	28.56
ATOM	3669	N	THR	1063	86.866	74.503	35.386	1.00	26.18
ATOM	3670	CA	THR	1063	85.509	74.007	35.154	1.00	24.51
ATOM	3671	CB	THR	1063	85.121	74.068	33.657	1.00	22.57
ATOM	3672	OG1	THR	1063	85.783	73.022	32.945	1.00	24.96
ATOM	3673	CG2	THR	1063	85.509	75.409	33.054	1.00	19.73
ATOM	3674	C	THR	1063	85.419	72.547	35.628	1.00	23.22
ATOM	3675	O	THR	1063	86.438	71.909	35.888	1.00	24.35
ATOM	3676	N	PRO	1064	84.204	72.011	35.781	1.00	20.91
ATOM	3677	CD	PRO	1064	82.906	72.709	35.907	1.00	19.27
ATOM	3678	CA	PRO	1064	84.095	70.623	36.234	1.00	18.80
ATOM	3679	CB	PRO	1064	82.838	70.658	37.087	1.00	16.86
ATOM	3680	CG	PRO	1064	81.969	71.608	36.332	1.00	17.27
ATOM	3681	C	PRO	1064	83.949	69.618	35.086	1.00	18.82
ATOM	3682	O	PRO	1064	83.593	68.464	35.310	1.00	21.11
ATOM	3683	N	LEU	1065	84.272	70.034	33.870	1.00	17.47
ATOM	3684	CA	LEU	1065	84.101	69.176	32.711	1.00	13.63
ATOM	3685	CB	LEU	1065	83.717	70.038	31.507	1.00	16.00
ATOM	3686	CG	LEU	1065	82.675	71.127	31.834	1.00	15.86
ATOM	3687	CD1	LEU	1065	82.457	72.076	30.657	1.00	13.35
ATOM	3688	CD2	LEU	1065	81.370	70.476	32.267	1.00	12.21
ATOM	3689	C	LEU	1065	85.308	68.303	32.410	1.00	15.32
ATOM	3690	O	LEU	1065	86.440	68.778	32.304	1.00	15.30
ATOM	3691	N	VAL	1066	85.036	67.018	32.233	1.00	17.58
ATOM	3692	CA	VAL	1066	86.052	66.003	31.962	1.00	17.87
ATOM	3693	CB	VAL	1066	86.165	65.019	33.179	1.00	18.83
ATOM	3694	CG1	VAL	1066	87.154	63.908	32.889	1.00	18.72
ATOM	3695	CG2	VAL	1066	86.556	65.763	34.447	1.00	19.44
ATOM	3696	C	VAL	1066	85.579	65.177	30.767	1.00	18.45
ATOM	3697	O	VAL	1066	84.395	64.849	30.686	1.00	20.05
ATOM	3698	N	SER	1067	86.470	64.856	29.834	1.00	18.12
ATOM	3699	CA	SER	1067	86.059	64.027	28.709	1.00	19.04
ATOM	3700	CB	SER	1067	86.741	64.447	27.401	1.00	17.98
ATOM	3701	OG	SER	1067	88.120	64.138	27.393	1.00	24.06
ATOM	3702	C	SER	1067	86.343	62.564	29.060	1.00	19.98
ATOM	3703	O	SER	1067	87.329	62.249	29.739	1.00	19.91
ATOM	3704	N	SER	1068	85.432	61.688	28.651	1.00	20.10
ATOM	3705	CA	SER	1068	85.535	60.264	28.925	1.00	20.27
ATOM	3706	CB	SER	1068	84.174	59.597	28.708	1.00	24.52
ATOM	3707	OG	SER	1068	84.224	58.192	28.931	1.00	26.68
ATOM	3708	C	SER	1068	86.569	59.557	28.081	1.00	20.17
ATOM	3709	O	SER	1068	86.617	59.743	26.865	1.00	21.59
ATOM	3710	N	PRO	1069	87.392	58.706	28.710	1.00	19.67
ATOM	3711	CD	PRO	1069	87.490	58.496	30.167	1.00	18.49
ATOM	3712	CA	PRO	1069	88.430	57.953	28.009	1.00	18.30
ATOM	3713	CB	PRO	1069	89.249	57.373	29.158	1.00	17.03
ATOM	3714	CG	PRO	1069	88.245	57.203	30.248	1.00	15.39

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1A-64

ATOM	3715	C	PRO	1069	87.805	56.852	27.153	1.00	20.15
ATOM	3716	O	PRO	1069	87.676	55.707	27.588	1.00	22.07
ATOM	3717	N	MET	1070	87.384	57.209	25.948	1.00	20.29
ATOM	3718	CA	MET	1070	86.770	56.254	25.035	1.00	20.57
ATOM	3719	CB	MET	1070	85.254	56.423	25.053	1.00	20.27
ATOM	3720	CG	MET	1070	84.621	56.059	26.379	1.00	21.67
ATOM	3721	SD	MET	1070	82.879	56.473	26.451	1.00	21.01
ATOM	3722	CE	MET	1070	82.210	55.085	25.547	1.00	20.49
ATOM	3723	C	MET	1070	87.331	56.501	23.641	1.00	22.45
ATOM	3724	O	MET	1070	87.575	57.650	23.261	1.00	20.92
ATOM	3725	N	ASP	1071	87.515	55.432	22.867	1.00	24.82
ATOM	3726	CA	ASP	1071	88.092	55.573	21.533	1.00	25.66
ATOM	3727	CB	ASP	1071	88.454	54.216	20.894	1.00	27.27
ATOM	3728	CG	ASP	1071	87.308	53.226	20.881	1.00	31.83
ATOM	3729	OD1	ASP	1071	86.158	53.615	20.588	1.00	37.06
ATOM	3730	OD2	ASP	1071	87.574	52.035	21.143	1.00	33.11
ATOM	3731	C	ASP	1071	87.367	56.478	20.549	1.00	24.21
ATOM	3732	O	ASP	1071	87.972	56.939	19.587	1.00	25.35
ATOM	3733	N	THR	1072	86.092	56.752	20.797	1.00	24.00
ATOM	3734	CA	THR	1072	85.327	57.638	19.924	1.00	22.90
ATOM	3735	CB	THR	1072	84.036	56.961	19.415	1.00	19.61
ATOM	3736	OG1	THR	1072	83.200	56.592	20.524	1.00	16.40
ATOM	3737	CG2	THR	1072	84.378	55.728	18.621	1.00	18.17
ATOM	3738	C	THR	1072	84.980	58.947	20.641	1.00	23.02
ATOM	3739	O	THR	1072	84.010	59.624	20.289	1.00	24.03
ATOM	3740	N	VAL	1073	85.766	59.292	21.658	1.00	22.41
ATOM	3741	CA	VAL	1073	85.529	60.510	22.420	1.00	21.20
ATOM	3742	CB	VAL	1073	84.752	60.229	23.741	1.00	19.24
ATOM	3743	CG1	VAL	1073	84.571	61.504	24.535	1.00	17.63
ATOM	3744	CG2	VAL	1073	83.394	59.641	23.452	1.00	16.74
ATOM	3745	C	VAL	1073	86.823	61.232	22.764	1.00	22.61
ATOM	3746	O	VAL	1073	86.969	62.417	22.477	1.00	22.14
ATOM	3747	N	THR	1074	87.793	60.516	23.318	1.00	24.79
ATOM	3748	CA	THR	1074	89.025	61.187	23.708	1.00	26.86
ATOM	3749	CB	THR	1074	89.104	61.359	25.247	1.00	29.38
ATOM	3750	OG1	THR	1074	87.865	61.893	25.735	1.00	32.73
ATOM	3751	CG2	THR	1074	90.217	62.324	25.622	1.00	30.82
ATOM	3752	C	THR	1074	90.370	60.686	23.199	1.00	26.15
ATOM	3753	O	THR	1074	90.750	59.529	23.380	1.00	25.91
ATOM	3754	N	GLU	1075	91.091	61.622	22.595	1.00	28.59
ATOM	3755	CA	GLU	1075	92.431	61.443	22.059	1.00	31.08
ATOM	3756	CB	GLU	1075	92.402	60.912	20.627	1.00	30.41
ATOM	3757	CG	GLU	1075	92.244	59.400	20.558	1.00	29.53
ATOM	3758	CD	GLU	1075	92.481	58.825	19.178	1.00	30.14
ATOM	3759	OE1	GLU	1075	92.098	57.659	18.958	1.00	32.49
ATOM	3760	OE2	GLU	1075	93.059	59.519	18.314	1.00	33.89
ATOM	3761	C	GLU	1075	93.065	62.833	22.121	1.00	34.13
ATOM	3762	O	GLU	1075	92.462	63.751	22.683	1.00	36.70
ATOM	3763	N	ALA	1076	94.251	63.002	21.538	1.00	35.59
ATOM	3764	CA	ALA	1076	94.956	64.292	21.570	1.00	35.10
ATOM	3765	CB	ALA	1076	96.151	64.275	20.620	1.00	35.89
ATOM	3766	C	ALA	1076	94.100	65.532	21.319	1.00	34.42
ATOM	3767	O	ALA	1076	93.986	66.389	22.194	1.00	34.97
ATOM	3768	N	GLY	1077	93.480	65.613	20.144	1.00	34.10
ATOM	3769	CA	GLY	1077	92.655	66.763	19.810	1.00	34.49
ATOM	3770	C	GLY	1077	91.655	67.146	20.886	1.00	35.44
ATOM	3771	O	GLY	1077	91.574	68.314	21.278	1.00	35.30
ATOM	3772	N	MET	1078	90.895	66.159	21.356	1.00	35.00
ATOM	3773	CA	MET	1078	89.892	66.361	22.400	1.00	32.60

APPROVED	Q. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed October 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 65/118

FIG. 1A-65

ATOM	3774	CB	MET	1078	89.122	65.060	22.650	1.00	30.24
ATOM	3775	CG	MET	1078	88.115	65.119	23.787	1.00	23.97
ATOM	3776	SD	MET	1078	86.729	66.180	23.420	1.00	22.65
ATOM	3777	CE	MET	1078	85.882	65.186	22.153	1.00	13.83
ATOM	3778	C	MET	1078	90.562	66.806	23.691	1.00	32.54
ATOM	3779	O	MET	1078	90.281	67.890	24.205	1.00	33.25
ATOM	3780	N	ALA	1079	91.473	65.975	24.191	1.00	29.80
ATOM	3781	CA	ALA	1079	92.185	66.264	25.426	1.00	26.90
ATOM	3782	CB	ALA	1079	93.312	65.272	25.625	1.00	25.36
ATOM	3783	C	ALA	1079	92.719	67.686	25.411	1.00	26.03
ATOM	3784	O	ALA	1079	92.675	68.385	26.426	1.00	25.26
ATOM	3785	N	ILE	1080	93.163	68.132	24.238	1.00	26.03
ATOM	3786	CA	ILE	1080	93.696	69.481	24.082	1.00	25.73
ATOM	3787	CB	ILE	1080	94.486	69.632	22.761	1.00	23.56
ATOM	3788	CG2	ILE	1080	94.898	71.086	22.540	1.00	22.24
ATOM	3789	CG1	ILE	1080	95.740	68.763	22.810	1.00	21.45
ATOM	3790	CD1	ILE	1080	96.565	68.809	21.554	1.00	22.68
ATOM	3791	C	ILE	1080	92.587	70.530	24.154	1.00	26.48
ATOM	3792	O	ILE	1080	92.645	71.444	24.979	1.00	25.96
ATOM	3793	N	ALA	1081	91.559	70.369	23.323	1.00	27.21
ATOM	3794	CA	ALA	1081	90.438	71.305	23.285	1.00	25.13
ATOM	3795	CB	ALA	1081	89.422	70.866	22.240	1.00	23.36
ATOM	3796	C	ALA	1081	89.778	71.410	24.652	1.00	25.14
ATOM	3797	O	ALA	1081	89.335	72.484	25.064	1.00	26.40
ATOM	3798	N	MET	1082	89.762	70.295	25.369	1.00	25.59
ATOM	3799	CA	MET	1082	89.162	70.232	26.691	1.00	26.26
ATOM	3800	CB	MET	1082	89.051	68.771	27.146	1.00	27.01
ATOM	3801	CG	MET	1082	87.856	68.464	28.048	1.00	28.65
ATOM	3802	SD	MET	1082	86.249	68.526	27.203	1.00	26.79
ATOM	3803	CE	MET	1082	85.315	69.478	28.353	1.00	23.90
ATOM	3804	C	MET	1082	89.992	71.056	27.675	1.00	25.81
ATOM	3805	O	MET	1082	89.442	71.851	28.434	1.00	26.89
ATOM	3806	N	ALA	1083	91.314	70.913	27.624	1.00	25.36
ATOM	3807	CA	ALA	1083	92.195	71.663	28.519	1.00	23.07
ATOM	3808	CB	ALA	1083	93.594	71.105	28.472	1.00	19.47
ATOM	3809	C	ALA	1083	92.217	73.158	28.205	1.00	24.00
ATOM	3810	O	ALA	1083	92.330	73.990	29.107	1.00	23.89
ATOM	3811	N	LEU	1084	92.117	73.508	26.927	1.00	24.04
ATOM	3812	CA	LEU	1084	92.133	74.913	26.550	1.00	21.88
ATOM	3813	CB	LEU	1084	92.278	75.092	25.031	1.00	20.51
ATOM	3814	CG	LEU	1084	93.621	74.803	24.333	1.00	17.98
ATOM	3815	CD1	LEU	1084	93.489	75.021	22.834	1.00	10.91
ATOM	3816	CD2	LEU	1084	94.728	75.687	24.892	1.00	16.24
ATOM	3817	C	LEU	1084	90.872	75.603	27.038	1.00	23.28
ATOM	3818	O	LEU	1084	90.939	76.749	27.472	1.00	24.38
ATOM	3819	N	THR	1085	89.738	74.897	27.009	1.00	23.36
ATOM	3820	CA	THR	1085	88.458	75.477	27.433	1.00	22.95
ATOM	3821	CB	THR	1085	87.267	74.937	26.604	1.00	20.99
ATOM	3822	OG1	THR	1085	87.256	73.508	26.631	1.00	25.05
ATOM	3823	CG2	THR	1085	87.370	75.410	25.176	1.00	16.76
ATOM	3824	C	THR	1085	88.117	75.425	28.921	1.00	23.92
ATOM	3825	O	THR	1085	87.077	75.954	29.342	1.00	25.16
ATOM	3826	N	GLY	1086	88.973	74.791	29.716	1.00	24.85
ATOM	3827	CA	GLY	1086	88.731	74.748	31.150	1.00	26.30
ATOM	3828	C	GLY	1086	88.614	73.400	31.835	1.00	25.84
ATOM	3829	O	GLY	1086	88.517	73.336	33.063	1.00	26.47
ATOM	3830	N	GLY	1087	88.570	72.332	31.057	1.00	25.34
ATOM	3831	CA	GLY	1087	88.464	71.013	31.641	1.00	24.99
ATOM	3832	C	GLY	1087	89.723	70.212	31.406	1.00	24.03

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed : October 2, 2000
 F MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
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 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 66/118

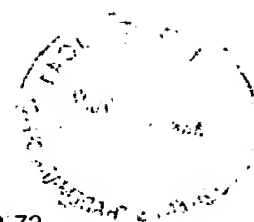


FIG. 1A-66

ATOM	3833	O	GLY	1087	90.823	70.761	31.358	1.00	23.72
ATOM	3834	N	ILE	1088	89.555	68.908	31.244	1.00	23.71
ATOM	3835	CA	ILE	1088	90.673	68.007	31.006	1.00	23.17
ATOM	3836	CB	ILE	1088	91.360	67.582	32.352	1.00	20.71
ATOM	3837	CG2	ILE	1088	90.444	66.669	33.153	1.00	20.78
ATOM	3838	CG1	ILE	1088	92.706	66.886	32.090	1.00	17.22
ATOM	3839	CD1	ILE	1088	93.545	66.593	33.353	1.00	5.96
ATOM	3840	C	ILE	1088	90.083	66.799	30.283	1.00	22.59
ATOM	3841	O	ILE	1088	88.862	66.605	30.281	1.00	22.13
ATOM	3842	N	GLY	1089	90.939	66.023	29.630	1.00	22.64
ATOM	3843	CA	GLY	1089	90.476	64.853	28.912	1.00	21.60
ATOM	3844	C	GLY	1089	91.292	63.622	29.250	1.00	22.41
ATOM	3845	O	GLY	1089	92.433	63.728	29.697	1.00	22.07
ATOM	3846	N	PHE	1090	90.702	62.449	29.068	1.00	22.64
ATOM	3847	CA	PHE	1090	91.403	61.215	29.350	1.00	22.39
ATOM	3848	CB	PHE	1090	90.668	60.425	30.423	1.00	24.55
ATOM	3849	CG	PHE	1090	90.775	61.026	31.782	1.00	27.69
ATOM	3850	CD1	PHE	1090	89.903	62.032	32.181	1.00	28.68
ATOM	3851	CD2	PHE	1090	91.775	60.616	32.658	1.00	26.87
ATOM	3852	CE1	PHE	1090	90.034	62.628	33.439	1.00	29.16
ATOM	3853	CE2	PHE	1090	91.912	61.207	33.917	1.00	26.20
ATOM	3854	CZ	PHE	1090	91.041	62.214	34.304	1.00	28.03
ATOM	3855	C	PHE	1090	91.568	60.380	28.096	1.00	22.82
ATOM	3856	O	PHE	1090	90.579	59.940	27.511	1.00	23.69
ATOM	3857	N	ILE	1091	92.816	60.191	27.668	1.00	21.96
ATOM	3858	CA	ILE	1091	93.114	59.394	26.480	1.00	20.77
ATOM	3859	CB	ILE	1091	94.633	59.423	26.128	1.00	19.10
ATOM	3860	CG2	ILE	1091	94.892	58.635	24.846	1.00	15.49
ATOM	3861	CG1	ILE	1091	95.147	60.867	25.999	1.00	13.00
ATOM	3862	CD1	ILE	1091	94.662	61.607	24.779	1.00	9.34
ATOM	3863	C	ILE	1091	92.722	57.950	26.795	1.00	20.88
ATOM	3864	O	ILE	1091	92.958	57.464	27.907	1.00	21.15
ATOM	3865	N	HIS	1092	92.101	57.276	25.832	1.00	21.96
ATOM	3866	CA	HIS	1092	91.686	55.882	26.019	1.00	23.97
ATOM	3867	CB	HIS	1092	90.613	55.492	24.994	1.00	23.05
ATOM	3868	CG	HIS	1092	91.114	55.427	23.584	1.00	18.52
ATOM	3869	CD2	HIS	1092	91.563	54.381	22.849	1.00	13.17
ATOM	3870	ND1	HIS	1092	91.196	56.534	22.768	1.00	15.63
ATOM	3871	CE1	HIS	1092	91.672	56.173	21.592	1.00	14.27
ATOM	3872	NE2	HIS	1092	91.908	54.873	21.614	1.00	12.20
ATOM	3873	C	HIS	1092	92.887	54.946	25.895	1.00	25.60
ATOM	3874	O	HIS	1092	93.957	55.369	25.467	1.00	28.13
ATOM	3875	N	HIS	1093	92.708	53.675	26.242	1.00	26.03
ATOM	3876	CA	HIS	1093	93.805	52.715	26.139	1.00	27.95
ATOM	3877	CB	HIS	1093	94.247	52.205	27.515	1.00	29.78
ATOM	3878	CG	HIS	1093	93.231	51.358	28.218	1.00	33.05
ATOM	3879	CD2	HIS	1093	93.243	50.043	28.548	1.00	34.27
ATOM	3880	ND1	HIS	1093	92.056	51.867	28.728	1.00	33.28
ATOM	3881	CE1	HIS	1093	91.388	50.906	29.338	1.00	32.87
ATOM	3882	NE2	HIS	1093	92.088	49.790	29.245	1.00	34.75
ATOM	3883	C	HIS	1093	93.518	51.557	25.193	1.00	28.37
ATOM	3884	O	HIS	1093	94.052	50.467	25.351	1.00	26.48
ATOM	3885	N	ASN	1094	92.596	51.785	24.265	1.00	30.84
ATOM	3886	CA	ASN	1094	92.241	50.807	23.237	1.00	32.45
ATOM	3887	CB	ASN	1094	90.769	50.963	22.842	1.00	35.56
ATOM	3888	CG	ASN	1094	90.371	50.081	21.671	1.00	39.33
ATOM	3889	OD1	ASN	1094	89.850	50.568	20.668	1.00	43.29
ATOM	3890	ND2	ASN	1094	90.594	48.780	21.800	1.00	38.01
ATOM	3891	C	ASN	1094	93.158	51.228	22.090	1.00	33.74

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1A-67

ATOM	3892	O	ASN	1094	92.722	51.794	21.079	1.00	34.48
ATOM	3893	N	CYS	1095	94.451	51.061	22.345	1.00	33.96
ATOM	3894	CA	CYS	1095	95.517	51.431	21.427	1.00	32.91
ATOM	3895	CB	CYS	1095	95.534	52.950	21.271	1.00	31.80
ATOM	3896	SG	CYS	1095	95.537	53.866	22.840	1.00	33.34
ATOM	3897	C	CYS	1095	96.829	50.961	22.057	1.00	33.35
ATOM	3898	O	CYS	1095	96.876	50.692	23.257	1.00	34.13
ATOM	3899	N	THR	1096	97.889	50.860	21.257	1.00	32.75
ATOM	3900	CA	THR	1096	99.185	50.411	21.762	1.00	30.51
ATOM	3901	CB	THR	1096	100.229	50.384	20.647	1.00	31.43
ATOM	3902	OG1	THR	1096	100.530	51.722	20.243	1.00	34.77
ATOM	3903	CG2	THR	1096	99.706	49.629	19.445	1.00	34.07
ATOM	3904	C	THR	1096	99.659	51.379	22.835	1.00	28.94
ATOM	3905	O	THR	1096	99.314	52.558	22.793	1.00	30.80
ATOM	3906	N	PRO	1097	100.461	50.902	23.807	1.00	28.40
ATOM	3907	CD	PRO	1097	100.925	49.519	24.021	1.00	28.11
ATOM	3908	CA	PRO	1097	100.958	51.781	24.869	1.00	27.84
ATOM	3909	CB	PRO	1097	101.916	50.878	25.632	1.00	26.37
ATOM	3910	CG	PRO	1097	101.293	49.531	25.481	1.00	25.06
ATOM	3911	C	PRO	1097	101.689	52.956	24.258	1.00	29.88
ATOM	3912	O	PRO	1097	101.583	54.084	24.739	1.00	30.91
ATOM	3913	N	GLU	1098	102.384	52.683	23.156	1.00	32.60
ATOM	3914	CA	GLU	1098	103.153	53.686	22.420	1.00	35.02
ATOM	3915	CB	GLU	1098	103.974	53.017	21.310	1.00	37.79
ATOM	3916	CG	GLU	1098	105.119	52.122	21.796	1.00	44.17
ATOM	3917	CD	GLU	1098	104.669	50.740	22.271	1.00	48.86
ATOM	3918	OE1	GLU	1098	103.779	50.132	21.628	1.00	49.58
ATOM	3919	OE2	GLU	1098	105.229	50.256	23.281	1.00	49.09
ATOM	3920	C	GLU	1098	102.269	54.787	21.814	1.00	35.22
ATOM	3921	O	GLU	1098	102.590	55.975	21.907	1.00	35.11
ATOM	3922	N	PHE	1099	101.170	54.378	21.182	1.00	34.71
ATOM	3923	CA	PHE	1099	100.217	55.295	20.550	1.00	31.99
ATOM	3924	CB	PHE	1099	99.114	54.487	19.854	1.00	30.86
ATOM	3925	CG	PHE	1099	97.961	55.316	19.356	1.00	30.84
ATOM	3926	CD1	PHE	1099	97.896	55.708	18.027	1.00	30.84
ATOM	3927	CD2	PHE	1099	96.906	55.654	20.203	1.00	30.22
ATOM	3928	CE1	PHE	1099	96.795	56.418	17.543	1.00	32.30
ATOM	3929	CE2	PHE	1099	95.807	56.360	19.730	1.00	29.93
ATOM	3930	CZ	PHE	1099	95.750	56.742	18.395	1.00	30.84
ATOM	3931	C	PHE	1099	99.591	56.202	21.591	1.00	30.63
ATOM	3932	O	PHE	1099	99.468	57.412	21.385	1.00	29.46
ATOM	3933	N	GLN	1100	99.169	55.592	22.694	1.00	31.39
ATOM	3934	CA	GLN	1100	98.535	56.312	23.782	1.00	33.54
ATOM	3935	CB	GLN	1100	98.087	55.341	24.873	1.00	33.46
ATOM	3936	CG	GLN	1100	97.206	56.000	25.918	1.00	33.43
ATOM	3937	CD	GLN	1100	96.860	55.082	27.061	1.00	31.11
ATOM	3938	OE1	GLN	1100	97.552	54.111	27.321	1.00	30.24
ATOM	3939	NE2	GLN	1100	95.784	55.397	27.765	1.00	34.07
ATOM	3940	C	GLN	1100	99.497	57.342	24.354	1.00	35.00
ATOM	3941	O	GLN	1100	99.145	58.518	24.499	1.00	35.07
ATOM	3942	N	ALA	1101	100.714	56.895	24.665	1.00	35.47
ATOM	3943	CA	ALA	1101	101.752	57.772	25.206	1.00	34.10
ATOM	3944	CB	ALA	1101	103.010	56.973	25.524	1.00	34.60
ATOM	3945	C	ALA	1101	102.062	58.868	24.192	1.00	33.13
ATOM	3946	O	ALA	1101	102.335	60.008	24.564	1.00	33.43
ATOM	3947	N	ASN	1102	102.004	58.515	22.911	1.00	31.74
ATOM	3948	CA	ASN	1102	102.251	59.464	21.831	1.00	31.93
ATOM	3949	CB	ASN	1102	102.220	58.754	20.478	1.00	35.75
ATOM	3950	CG	ASN	1102	102.222	59.722	19.314	1.00	38.97

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1A-68

ATOM	3951	OD1	ASN	1102	103.115	60.562	19.188	1.00	35.68
ATOM	3952	ND2	ASN	1102	101.207	59.617	18.460	1.00	44.14
ATOM	3953	C	ASN	1102	101.174	60.535	21.878	1.00	30.58
ATOM	3954	O	ASN	1102	101.465	61.734	21.820	1.00	28.72
ATOM	3955	N	GLU	1103	99.926	60.092	21.994	1.00	30.88
ATOM	3956	CA	GLU	1103	98.797	61.008	22.081	1.00	31.29
ATOM	3957	CB	GLU	1103	97.496	60.236	22.305	1.00	29.94
ATOM	3958	CG	GLU	1103	97.107	59.345	21.143	1.00	26.07
ATOM	3959	CD	GLU	1103	97.147	60.077	19.817	1.00	26.39
ATOM	3960	OE1	GLU	1103	96.367	61.041	19.642	1.00	23.03
ATOM	3961	OE2	GLU	1103	97.972	59.695	18.957	1.00	27.36
ATOM	3962	C	GLU	1103	99.033	61.971	23.236	1.00	31.53
ATOM	3963	O	GLU	1103	98.880	63.183	23.077	1.00	32.08
ATOM	3964	N	VAL	1104	99.448	61.421	24.378	1.00	32.16
ATOM	3965	CA	VAL	1104	99.731	62.201	25.585	1.00	33.27
ATOM	3966	CB	VAL	1104	100.191	61.286	26.744	1.00	30.58
ATOM	3967	CG1	VAL	1104	100.569	62.110	27.962	1.00	28.79
ATOM	3968	CG2	VAL	1104	99.093	60.304	27.096	1.00	32.06
ATOM	3969	C	VAL	1104	100.823	63.225	25.306	1.00	34.57
ATOM	3970	O	VAL	1104	100.695	64.404	25.649	1.00	34.06
ATOM	3971	N	ARG	1105	101.876	62.762	24.642	1.00	36.12
ATOM	3972	CA	ARG	1105	103.020	63.591	24.291	1.00	37.17
ATOM	3973	CB	ARG	1105	103.981	62.780	23.422	1.00	41.18
ATOM	3974	CG	ARG	1105	105.100	63.589	22.822	1.00	48.61
ATOM	3975	CD	ARG	1105	105.767	62.842	21.689	1.00	54.64
ATOM	3976	NE	ARG	1105	106.570	63.746	20.872	1.00	59.97
ATOM	3977	CZ	ARG	1105	106.096	64.448	19.845	1.00	63.88
ATOM	3978	NH1	ARG	1105	104.816	64.349	19.494	1.00	63.25
ATOM	3979	NH2	ARG	1105	106.899	65.269	19.180	1.00	67.43
ATOM	3980	C	ARG	1105	102.572	64.848	23.552	1.00	35.76
ATOM	3981	O	ARG	1105	102.880	65.968	23.966	1.00	34.77
ATOM	3982	N	LYS	1106	101.805	64.649	22.485	1.00	34.78
ATOM	3983	CA	LYS	1106	101.301	65.747	21.669	1.00	34.00
ATOM	3984	CB	LYS	1106	100.467	65.198	20.514	1.00	32.67
ATOM	3985	CG	LYS	1106	101.212	64.189	19.670	1.00	31.83
ATOM	3986	CD	LYS	1106	100.416	63.780	18.457	1.00	34.20
ATOM	3987	CE	LYS	1106	99.090	63.176	18.846	1.00	39.46
ATOM	3988	NZ	LYS	1106	98.374	62.649	17.655	1.00	43.75
ATOM	3989	C	LYS	1106	100.485	66.760	22.465	1.00	34.26
ATOM	3990	O	LYS	1106	100.459	67.946	22.128	1.00	35.05
ATOM	3991	N	VAL	1107	99.808	66.293	23.510	1.00	33.42
ATOM	3992	CA	VAL	1107	99.002	67.178	24.338	1.00	33.04
ATOM	3993	CB	VAL	1107	97.977	66.394	25.195	1.00	29.85
ATOM	3994	CG1	VAL	1107	97.189	67.340	26.089	1.00	24.12
ATOM	3995	CG2	VAL	1107	97.031	65.624	24.302	1.00	30.73
ATOM	3996	C	VAL	1107	99.920	67.967	25.258	1.00	35.29
ATOM	3997	O	VAL	1107	99.868	69.196	25.300	1.00	36.49
ATOM	3998	N	LYS	1108	100.793	67.258	25.959	1.00	36.76
ATOM	3999	CA	LYS	1108	101.710	67.892	26.888	1.00	38.65
ATOM	4000	CB	LYS	1108	102.483	66.838	27.673	1.00	37.67
ATOM	4001	CG	LYS	1108	101.612	66.008	28.598	1.00	36.98
ATOM	4002	CD	LYS	1108	100.862	66.881	29.597	1.00	36.47
ATOM	4003	CE	LYS	1108	101.809	67.684	30.471	1.00	36.82
ATOM	4004	NZ	LYS	1108	101.090	68.507	31.484	1.00	38.27
ATOM	4005	C	LYS	1108	102.663	68.859	26.208	1.00	41.58
ATOM	4006	O	LYS	1108	103.097	69.835	26.821	1.00	41.70
ATOM	4007	N	LYS	1109	102.970	68.598	24.939	1.00	44.26
ATOM	4008	CA	LYS	1109	103.866	69.457	24.172	1.00	46.63
ATOM	4009	CB	LYS	1109	104.735	68.625	23.227	1.00	48.92

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No. : VPI/96-03 DIV2
 Application No. : 09/678,016 Filed October 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 69/118

FIG. 1A-69

ATOM	4010	CG	LYS	1109	105.765	67.752	23.925	1.00	55.10
ATOM	4011	CD	LYS	1109	106.649	67.038	22.917	1.00	57.86
ATOM	4012	CE	LYS	1109	107.698	66.190	23.607	1.00	60.67
ATOM	4013	NZ	LYS	1109	108.539	65.453	22.624	1.00	64.20
ATOM	4014	C	LYS	1109	103.116	70.503	23.361	1.00	48.09
ATOM	4015	O	LYS	1109	103.704	71.143	22.494	1.00	50.31
ATOM	4016	N	TYR	1110	101.823	70.671	23.622	1.00	49.80
ATOM	4017	CA	TYR	1110	101.032	71.647	22.883	1.00	50.56
ATOM	4018	CB	TYR	1110	99.526	71.410	23.054	1.00	49.06
ATOM	4019	CG	TYR	1110	98.671	72.376	22.240	1.00	45.63
ATOM	4020	CD1	TYR	1110	98.377	72.117	20.902	1.00	42.22
ATOM	4021	CE1	TYR	1110	97.615	73.001	20.145	1.00	39.41
ATOM	4022	CD2	TYR	1110	98.172	73.556	22.805	1.00	41.44
ATOM	4023	CE2	TYR	1110	97.410	74.449	22.053	1.00	38.41
ATOM	4024	CZ	TYR	1110	97.135	74.162	20.723	1.00	39.73
ATOM	4025	OH	TYR	1110	96.377	75.028	19.969	1.00	42.38
ATOM	4026	C	TYR	1110	101.338	73.080	23.262	1.00	52.16
ATOM	4027	O	TYR	1110	101.405	73.433	24.436	1.00	50.66
ATOM	4028	N	GLU	1111	101.470	73.909	22.238	1.00	56.35
ATOM	4029	CA	GLU	1111	101.726	75.326	22.407	1.00	62.85
ATOM	4030	CB	GLU	1111	103.170	75.580	22.846	1.00	68.99
ATOM	4031	CG	GLU	1111	103.473	77.039	23.221	1.00	78.92
ATOM	4032	CD	GLU	1111	102.841	77.479	24.544	1.00	86.72
ATOM	4033	OE1	GLU	1111	103.602	77.833	25.476	1.00	88.71
ATOM	4034	OE2	GLU	1111	101.591	77.492	24.650	1.00	89.94
ATOM	4035	C	GLU	1111	101.456	75.977	21.063	1.00	64.72
ATOM	4036	O	GLU	1111	102.047	75.595	20.049	1.00	64.03
ATOM	4037	N	GLN	1112	100.489	76.890	21.049	1.00	67.72
ATOM	4038	CA	GLN	1112	100.103	77.616	19.842	1.00	71.20
ATOM	4039	CB	GLN	1112	99.391	76.686	18.850	1.00	74.46
ATOM	4040	CG	GLN	1112	99.112	77.314	17.482	1.00	77.35
ATOM	4041	CD	GLN	1112	98.260	76.426	16.589	1.00	78.90
ATOM	4042	OE1	GLN	1112	97.039	76.566	16.542	1.00	79.16
ATOM	4043	NE2	GLN	1112	98.901	75.505	15.876	1.00	79.35
ATOM	4044	C	GLN	1112	99.168	78.752	20.240	1.00	71.94
ATOM	4045	O	GLN	1112	98.417	78.542	21.217	1.00	72.65
ATOM	4046	CB	TYR	1233	92.594	79.434	26.175	1.00	39.31
ATOM	4047	CG	TYR	1233	92.140	78.944	24.817	1.00	39.59
ATOM	4048	CD1	TYR	1233	90.810	78.606	24.585	1.00	39.63
ATOM	4049	CE1	TYR	1233	90.390	78.142	23.339	1.00	42.81
ATOM	4050	CD2	TYR	1233	93.045	78.808	23.766	1.00	42.38
ATOM	4051	CE2	TYR	1233	92.637	78.345	22.511	1.00	42.93
ATOM	4052	CZ	TYR	1233	91.306	78.015	22.306	1.00	42.57
ATOM	4053	OH	TYR	1233	90.884	77.574	21.072	1.00	41.24
ATOM	4054	C	TYR	1233	92.326	81.012	28.108	1.00	34.30
ATOM	4055	O	TYR	1233	93.223	80.365	28.647	1.00	35.38
ATOM	4056	N	TYR	1233	92.175	81.859	25.767	1.00	37.90
ATOM	4057	CA	TYR	1233	91.886	80.707	26.674	1.00	36.86
ATOM	4058	N	PRO	1234	91.675	81.987	28.757	1.00	31.05
ATOM	4059	CD	PRO	1234	90.523	82.770	28.281	1.00	31.27
ATOM	4060	CA	PRO	1234	92.027	82.350	30.133	1.00	28.70
ATOM	4061	CB	PRO	1234	91.180	83.594	30.376	1.00	29.55
ATOM	4062	CG	PRO	1234	89.951	83.318	29.567	1.00	31.87
ATOM	4063	C	PRO	1234	91.729	81.267	31.164	1.00	27.05
ATOM	4064	O	PRO	1234	92.097	81.409	32.327	1.00	24.79
ATOM	4065	N	LEU	1235	91.013	80.224	30.740	1.00	28.44
ATOM	4066	CA	LEU	1235	90.639	79.101	31.607	1.00	27.99
ATOM	4067	CB	LEU	1235	89.174	78.715	31.406	1.00	27.25
ATOM	4068	CG	LEU	1235	88.100	79.751	31.680	1.00	25.62

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed: October 2, 2000
 For: MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 70/118

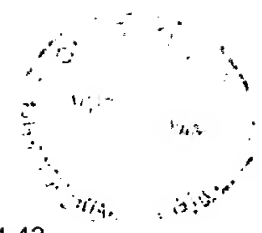


FIG. 1A-70

ATOM	4069	CD1	LEU	1235	86.739	79.084	31.530	1.00	24.42
ATOM	4070	CD2	LEU	1235	88.292	80.323	33.078	1.00	26.15
ATOM	4071	C	LEU	1235	91.466	77.876	31.299	1.00	28.14
ATOM	4072	O	LEU	1235	91.308	76.835	31.944	1.00	25.67
ATOM	4073	N	ALA	1236	92.279	77.979	30.253	1.00	29.94
ATOM	4074	CA	ALA	1236	93.130	76.884	29.843	1.00	31.57
ATOM	4075	CB	ALA	1236	94.179	77.373	28.891	1.00	32.74
ATOM	4076	C	ALA	1236	93.765	76.314	31.094	1.00	33.80
ATOM	4077	O	ALA	1236	94.304	77.050	31.926	1.00	34.29
ATOM	4078	N	SER	1237	93.574	75.020	31.288	1.00	35.41
ATOM	4079	CA	SER	1237	94.118	74.352	32.445	1.00	39.00
ATOM	4080	CB	SER	1237	93.041	73.452	33.068	1.00	42.92
ATOM	4081	OG	SER	1237	91.989	74.237	33.636	1.00	43.86
ATOM	4082	C	SER	1237	95.401	73.599	32.085	1.00	39.38
ATOM	4083	O	SER	1237	95.403	72.668	31.270	1.00	39.77
ATOM	4084	N	LYS	1238	96.507	74.064	32.656	1.00	39.71
ATOM	4085	CA	LYS	1238	97.813	73.474	32.413	1.00	41.61
ATOM	4086	CB	LYS	1238	98.587	74.304	31.382	1.00	43.64
ATOM	4087	CG	LYS	1238	98.336	75.804	31.401	1.00	46.63
ATOM	4088	CD	LYS	1238	98.532	76.385	29.993	1.00	49.43
ATOM	4089	CE	LYS	1238	98.469	77.915	29.954	1.00	52.17
ATOM	4090	NZ	LYS	1238	97.166	78.480	30.418	1.00	53.93
ATOM	4091	C	LYS	1238	98.611	73.306	33.697	1.00	41.85
ATOM	4092	O	LYS	1238	98.215	73.815	34.745	1.00	42.33
ATOM	4093	N	ASP	1239	99.695	72.538	33.627	1.00	42.02
ATOM	4094	CA	ASP	1239	100.541	72.289	34.788	1.00	43.25
ATOM	4095	CB	ASP	1239	101.277	70.950	34.637	1.00	42.65
ATOM	4096	CG	ASP	1239	102.252	70.933	33.470	1.00	41.63
ATOM	4097	OD1	ASP	1239	102.274	71.902	32.694	1.00	43.12
ATOM	4098	OD2	ASP	1239	103.007	69.946	33.328	1.00	41.56
ATOM	4099	C	ASP	1239	101.534	73.416	35.085	1.00	45.87
ATOM	4100	O	ASP	1239	101.579	74.430	34.381	1.00	46.72
ATOM	4101	N	ALA	1240	102.364	73.196	36.104	1.00	46.78
ATOM	4102	CA	ALA	1240	103.370	74.162	36.548	1.00	46.30
ATOM	4103	CB	ALA	1240	104.203	73.562	37.676	1.00	46.81
ATOM	4104	C	ALA	1240	104.282	74.683	35.439	1.00	45.64
ATOM	4105	O	ALA	1240	104.675	75.851	35.446	1.00	46.51
ATOM	4106	N	LYS	1241	104.628	73.816	34.495	1.00	43.50
ATOM	4107	CA	LYS	1241	105.486	74.216	33.391	1.00	41.50
ATOM	4108	CB	LYS	1241	106.327	73.028	32.927	1.00	42.33
ATOM	4109	CG	LYS	1241	107.198	72.458	34.040	1.00	45.75
ATOM	4110	CD	LYS	1241	108.136	71.364	33.549	1.00	52.02
ATOM	4111	CE	LYS	1241	107.394	70.096	33.147	1.00	56.80
ATOM	4112	NZ	LYS	1241	108.330	69.053	32.625	1.00	59.79
ATOM	4113	C	LYS	1241	104.668	74.808	32.246	1.00	40.64
ATOM	4114	O	LYS	1241	105.119	74.850	31.102	1.00	39.48
ATOM	4115	N	LYS	1242	103.451	75.244	32.575	1.00	40.74
ATOM	4116	CA	LYS	1242	102.525	75.863	31.635	1.00	40.98
ATOM	4117	CB	LYS	1242	103.130	77.162	31.102	1.00	46.48
ATOM	4118	CG	LYS	1242	103.655	78.106	32.184	1.00	54.66
ATOM	4119	CD	LYS	1242	104.504	79.227	31.567	1.00	63.33
ATOM	4120	CE	LYS	1242	105.116	80.153	32.623	1.00	68.01
ATOM	4121	NZ	LYS	1242	106.121	79.459	33.488	1.00	71.11
ATOM	4122	C	LYS	1242	102.068	74.977	30.471	1.00	40.38
ATOM	4123	O	LYS	1242	101.545	75.471	29.472	1.00	40.63
ATOM	4124	N	GLN	1243	102.281	73.672	30.582	1.00	38.45
ATOM	4125	CA	GLN	1243	101.863	72.749	29.531	1.00	37.94
ATOM	4126	CB	GLN	1243	102.905	71.640	29.338	1.00	42.14
ATOM	4127	CG	GLN	1243	104.293	72.126	28.894	1.00	50.87

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No. VPI/96-03 DIV2
 Application No. : 09/678,016 Filed October 2, 2000
 FOR MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 71/118

FIG. 1A-71

ATOM	4128	CD	GLN	1243	104.296	72.805	27.516	1.00	58.97
ATOM	4129	OE1	GLN	1243	104.790	72.248	26.533	1.00	61.73
ATOM	4130	NE2	GLN	1243	103.777	74.026	27.454	1.00	61.92
ATOM	4131	C	GLN	1243	100.502	72.162	29.907	1.00	35.65
ATOM	4132	O	GLN	1243	100.286	71.781	31.059	1.00	34.91
ATOM	4133	N	LEU	1244	99.577	72.130	28.949	1.00	33.29
ATOM	4134	CA	LEU	1244	98.221	71.614	29.176	1.00	29.46
ATOM	4135	CB	LEU	1244	97.495	71.389	27.848	1.00	27.97
ATOM	4136	CG	LEU	1244	97.232	72.570	26.922	1.00	25.53
ATOM	4137	CD1	LEU	1244	96.497	72.069	25.701	1.00	23.64
ATOM	4138	CD2	LEU	1244	96.426	73.639	27.631	1.00	26.68
ATOM	4139	C	LEU	1244	98.174	70.315	29.964	1.00	26.37
ATOM	4140	O	LEU	1244	98.990	69.423	29.759	1.00	25.40
ATOM	4141	N	LEU	1245	97.203	70.208	30.861	1.00	24.19
ATOM	4142	CA	LEU	1245	97.043	69.000	31.654	1.00	21.24
ATOM	4143	CB	LEU	1245	96.010	69.226	32.750	1.00	17.87
ATOM	4144	CG	LEU	1245	96.388	70.166	33.886	1.00	13.30
ATOM	4145	CD1	LEU	1245	95.278	70.190	34.957	1.00	8.28
ATOM	4146	CD2	LEU	1245	97.692	69.691	34.476	1.00	12.89
ATOM	4147	C	LEU	1245	96.577	67.851	30.760	1.00	22.73
ATOM	4148	O	LEU	1245	95.875	68.067	29.772	1.00	22.07
ATOM	4149	N	CYS	1246	96.970	66.631	31.097	1.00	23.09
ATOM	4150	CA	CYS	1246	96.561	65.481	30.311	1.00	24.22
ATOM	4151	CB	CYS	1246	97.564	65.167	29.213	1.00	23.07
ATOM	4152	SG	CYS	1246	96.980	63.858	28.114	1.00	28.22
ATOM	4153	C	CYS	1246	96.409	64.271	31.199	1.00	25.46
ATOM	4154	O	CYS	1246	97.177	64.087	32.149	1.00	26.61
ATOM	4155	N	GLY	1247	95.405	63.457	30.899	1.00	24.77
ATOM	4156	CA	GLY	1247	95.159	62.257	31.669	1.00	23.54
ATOM	4157	C	GLY	1247	95.056	61.081	30.724	1.00	22.83
ATOM	4158	O	GLY	1247	94.823	61.260	29.525	1.00	22.59
ATOM	4159	N	ALA	1248	95.230	59.878	31.252	1.00	20.75
ATOM	4160	CA	ALA	1248	95.150	58.678	30.437	1.00	20.33
ATOM	4161	CB	ALA	1248	96.536	58.256	29.990	1.00	21.90
ATOM	4162	C	ALA	1248	94.485	57.561	31.222	1.00	20.51
ATOM	4163	O	ALA	1248	94.619	57.473	32.447	1.00	18.34
ATOM	4164	N	ALA	1249	93.740	56.727	30.514	1.00	20.76
ATOM	4165	CA	ALA	1249	93.050	55.622	31.140	1.00	22.52
ATOM	4166	CB	ALA	1249	91.670	55.477	30.543	1.00	22.47
ATOM	4167	C	ALA	1249	93.825	54.342	30.928	1.00	24.15
ATOM	4168	O	ALA	1249	94.183	54.019	29.790	1.00	25.00
ATOM	4169	N	ILE	1250	94.105	53.616	32.005	1.00	23.49
ATOM	4170	CA	ILE	1250	94.794	52.341	31.860	1.00	24.48
ATOM	4171	CB	ILE	1250	96.254	52.330	32.417	1.00	22.98
ATOM	4172	CG2	ILE	1250	97.088	53.412	31.760	1.00	24.80
ATOM	4173	CG1	ILE	1250	96.276	52.433	33.939	1.00	20.21
ATOM	4174	CD1	ILE	1250	97.629	52.107	34.530	1.00	18.03
ATOM	4175	C	ILE	1250	93.999	51.227	32.520	1.00	25.11
ATOM	4176	O	ILE	1250	93.044	51.476	33.253	1.00	21.56
ATOM	4177	N	GLY	1251	94.337	49.998	32.156	1.00	29.40
ATOM	4178	CA	GLY	1251	93.693	48.842	32.740	1.00	32.82
ATOM	4179	C	GLY	1251	94.479	48.532	33.996	1.00	36.17
ATOM	4180	O	GLY	1251	95.271	49.350	34.451	1.00	38.38
ATOM	4181	N	THR	1252	94.345	47.326	34.513	1.00	39.63
ATOM	4182	CA	THR	1252	95.060	46.990	35.725	1.00	43.76
ATOM	4183	CB	THR	1252	94.057	46.575	36.818	1.00	41.72
ATOM	4184	OG1	THR	1252	93.203	47.687	37.124	1.00	37.90
ATOM	4185	CG2	THR	1252	94.771	46.155	38.066	1.00	47.51
ATOM	4186	C	THR	1252	96.179	45.956	35.538	1.00	48.10

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Patent No. : 09/678,016 October 2, 2000
 MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 72/118

FIG. 1A-72

ATOM	4187	O	THR	1252	97.349	46.256	35.772	1.00	48.88
ATOM	4188	N	HIS	1253	95.825	44.772	35.047	1.00	51.97
ATOM	4189	CA	HIS	1253	96.790	43.689	34.844	1.00	56.55
ATOM	4190	CB	HIS	1253	96.197	42.583	33.956	1.00	63.58
ATOM	4191	CG	HIS	1253	95.708	43.060	32.625	1.00	71.59
ATOM	4192	CD2	HIS	1253	94.873	44.069	32.288	1.00	76.45
ATOM	4193	ND1	HIS	1253	96.072	42.451	31.439	1.00	77.55
ATOM	4194	CE1	HIS	1253	95.480	43.071	30.431	1.00	81.02
ATOM	4195	NE2	HIS	1253	94.749	44.055	30.917	1.00	80.91
ATOM	4196	C	HIS	1253	98.173	44.083	34.334	1.00	56.12
ATOM	4197	O	HIS	1253	98.295	44.864	33.398	1.00	56.78
ATOM	4198	N	GLU	1254	99.191	43.495	34.963	1.00	56.64
ATOM	4199	CA	GLU	1254	100.617	43.690	34.672	1.00	56.02
ATOM	4200	CB	GLU	1254	101.309	42.329	34.570	1.00	57.76
ATOM	4201	CG	GLU	1254	101.379	41.554	35.879	1.00	61.36
ATOM	4202	CD	GLU	1254	102.378	42.136	36.867	1.00	64.92
ATOM	4203	OE1	GLU	1254	103.524	42.443	36.458	1.00	64.68
ATOM	4204	OE2	GLU	1254	102.016	42.270	38.058	1.00	66.93
ATOM	4205	C	GLU	1254	101.009	44.525	33.462	1.00	53.65
ATOM	4206	O	GLU	1254	101.767	45.480	33.582	1.00	53.34
ATOM	4207	N	ASP	1255	100.532	44.113	32.294	1.00	52.31
ATOM	4208	CA	ASP	1255	100.803	44.782	31.024	1.00	50.29
ATOM	4209	CB	ASP	1255	99.804	44.290	29.973	1.00	55.04
ATOM	4210	CG	ASP	1255	99.626	42.775	29.993	1.00	61.28
ATOM	4211	OD1	ASP	1255	98.900	42.259	30.881	1.00	59.30
ATOM	4212	OD2	ASP	1255	100.220	42.105	29.118	1.00	65.78
ATOM	4213	C	ASP	1255	100.695	46.301	31.129	1.00	47.04
ATOM	4214	O	ASP	1255	101.447	47.039	30.490	1.00	46.57
ATOM	4215	N	ASP	1256	99.768	46.752	31.967	1.00	44.52
ATOM	4216	CA	ASP	1256	99.501	48.173	32.171	1.00	41.04
ATOM	4217	CB	ASP	1256	98.142	48.352	32.847	1.00	39.06
ATOM	4218	CG	ASP	1256	97.012	47.813	32.003	1.00	36.49
ATOM	4219	OD1	ASP	1256	96.720	48.422	30.955	1.00	32.75
ATOM	4220	OD2	ASP	1256	96.432	46.769	32.368	1.00	37.91
ATOM	4221	C	ASP	1256	100.584	48.924	32.920	1.00	37.97
ATOM	4222	O	ASP	1256	100.585	50.153	32.945	1.00	35.60
ATOM	4223	N	LYS	1257	101.505	48.180	33.520	1.00	37.65
ATOM	4224	CA	LYS	1257	102.619	48.765	34.253	1.00	36.92
ATOM	4225	CB	LYS	1257	103.325	47.693	35.078	1.00	36.40
ATOM	4226	CG	LYS	1257	102.465	47.092	36.172	1.00	37.53
ATOM	4227	CD	LYS	1257	103.251	46.074	36.978	1.00	41.41
ATOM	4228	CE	LYS	1257	102.581	45.760	38.309	1.00	43.29
ATOM	4229	NZ	LYS	1257	101.232	45.166	38.132	1.00	47.58
ATOM	4230	C	LYS	1257	103.590	49.406	33.258	1.00	36.36
ATOM	4231	O	LYS	1257	104.009	50.554	33.431	1.00	34.55
ATOM	4232	N	TYR	1258	103.911	48.678	32.193	1.00	36.40
ATOM	4233	CA	TYR	1258	104.809	49.189	31.164	1.00	36.55
ATOM	4234	CB	TYR	1258	105.067	48.121	30.108	1.00	36.16
ATOM	4235	CG	TYR	1258	105.807	48.636	28.901	1.00	37.86
ATOM	4236	CD1	TYR	1258	107.115	49.115	29.004	1.00	37.73
ATOM	4237	CE1	TYR	1258	107.794	49.573	27.883	1.00	39.68
ATOM	4238	CD2	TYR	1258	105.203	48.630	27.648	1.00	41.35
ATOM	4239	CE2	TYR	1258	105.872	49.084	26.525	1.00	42.25
ATOM	4240	CZ	TYR	1258	107.162	49.548	26.644	1.00	42.30
ATOM	4241	OH	TYR	1258	107.808	49.978	25.510	1.00	46.56
ATOM	4242	C	TYR	1258	104.149	50.402	30.525	1.00	37.00
ATOM	4243	O	TYR	1258	104.794	51.427	30.276	1.00	39.78
ATOM	4244	N	ARG	1259	102.858	50.250	30.243	1.00	35.45
ATOM	4245	CA	ARG	1259	102.029	51.299	29.665	1.00	33.10

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filing Date: October 2, 2000
 MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 73/118

FIG. 1A-73

ATOM	4246	CB	ARG	1259	100.571	50.829	29.669	1.00	35.78
ATOM	4247	CG	ARG	1259	99.531	51.895	29.376	1.00	37.91
ATOM	4248	CD	ARG	1259	99.265	52.018	27.901	1.00	35.20
ATOM	4249	NE	ARG	1259	98.672	50.807	27.350	1.00	32.06
ATOM	4250	CZ	ARG	1259	97.749	50.790	26.396	1.00	26.80
ATOM	4251	NH1	ARG	1259	97.295	51.923	25.883	1.00	25.25
ATOM	4252	NH2	ARG	1259	97.331	49.634	25.907	1.00	23.32
ATOM	4253	C	ARG	1259	102.169	52.521	30.558	1.00	30.96
ATOM	4254	O	ARG	1259	102.497	53.609	30.098	1.00	31.64
ATOM	4255	N	LEU	1260	101.983	52.309	31.853	1.00	30.09
ATOM	4256	CA	LEU	1260	102.087	53.382	32.820	1.00	30.15
ATOM	4257	CB	LEU	1260	101.862	52.848	34.237	1.00	26.22
ATOM	4258	CG	LEU	1260	101.775	53.919	35.324	1.00	28.20
ATOM	4259	CD1	LEU	1260	100.640	54.876	34.984	1.00	28.15
ATOM	4260	CD2	LEU	1260	101.578	53.289	36.698	1.00	23.65
ATOM	4261	C	LEU	1260	103.453	54.058	32.704	1.00	31.69
ATOM	4262	O	LEU	1260	103.545	55.285	32.784	1.00	31.52
ATOM	4263	N	ASP	1261	104.503	53.267	32.481	1.00	32.30
ATOM	4264	CA	ASP	1261	105.855	53.811	32.347	1.00	32.19
ATOM	4265	CB	ASP	1261	106.879	52.703	32.075	1.00	35.55
ATOM	4266	CG	ASP	1261	107.187	51.867	33.304	1.00	40.79
ATOM	4267	OD1	ASP	1261	107.086	52.388	34.434	1.00	40.34
ATOM	4268	OD2	ASP	1261	107.547	50.680	33.136	1.00	45.81
ATOM	4269	C	ASP	1261	105.918	54.821	31.212	1.00	31.49
ATOM	4270	O	ASP	1261	106.286	55.983	31.421	1.00	30.59
ATOM	4271	N	LEU	1262	105.520	54.377	30.021	1.00	28.76
ATOM	4272	CA	LEU	1262	105.536	55.225	28.836	1.00	27.39
ATOM	4273	CB	LEU	1262	105.089	54.431	27.606	1.00	25.44
ATOM	4274	CG	LEU	1262	105.782	53.082	27.388	1.00	20.68
ATOM	4275	CD1	LEU	1262	105.355	52.486	26.063	1.00	16.25
ATOM	4276	CD2	LEU	1262	107.284	53.263	27.435	1.00	19.30
ATOM	4277	C	LEU	1262	104.683	56.484	29.010	1.00	27.65
ATOM	4278	O	LEU	1262	105.096	57.578	28.616	1.00	28.28
ATOM	4279	N	LEU	1263	103.502	56.336	29.603	1.00	26.91
ATOM	4280	CA	LEU	1263	102.615	57.476	29.837	1.00	25.75
ATOM	4281	CB	LEU	1263	101.267	57.021	30.393	1.00	24.46
ATOM	4282	CG	LEU	1263	100.379	56.129	29.534	1.00	21.80
ATOM	4283	CD1	LEU	1263	99.135	55.764	30.338	1.00	14.76
ATOM	4284	CD2	LEU	1263	100.030	56.831	28.216	1.00	18.42
ATOM	4285	C	LEU	1263	103.254	58.430	30.833	1.00	25.07
ATOM	4286	O	LEU	1263	103.218	59.642	30.650	1.00	24.45
ATOM	4287	N	ALA	1264	103.811	57.867	31.901	1.00	26.55
ATOM	4288	CA	ALA	1264	104.469	58.643	32.945	1.00	27.92
ATOM	4289	CB	ALA	1264	105.004	57.727	34.030	1.00	26.27
ATOM	4290	C	ALA	1264	105.609	59.400	32.301	1.00	29.62
ATOM	4291	O	ALA	1264	105.830	60.578	32.587	1.00	31.44
ATOM	4292	N	LEU	1265	106.282	58.718	31.379	1.00	30.37
ATOM	4293	CA	LEU	1265	107.419	59.262	30.646	1.00	29.10
ATOM	4294	CB	LEU	1265	108.104	58.150	29.859	1.00	28.95
ATOM	4295	CG	LEU	1265	109.498	58.414	29.306	1.00	31.50
ATOM	4296	CD1	LEU	1265	110.532	58.266	30.422	1.00	30.76
ATOM	4297	CD2	LEU	1265	109.784	57.415	28.187	1.00	33.34
ATOM	4298	C	LEU	1265	106.980	60.354	29.683	1.00	28.32
ATOM	4299	O	LEU	1265	107.746	61.272	29.399	1.00	30.26
ATOM	4300	N	ALA	1266	105.766	60.221	29.151	1.00	27.20
ATOM	4301	CA	ALA	1266	105.212	61.196	28.209	1.00	24.22
ATOM	4302	CB	ALA	1266	104.134	60.554	27.352	1.00	23.15
ATOM	4303	C	ALA	1266	104.659	62.432	28.919	1.00	22.49
ATOM	4304	O	ALA	1266	104.268	63.399	28.267	1.00	21.03

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 1A-74

ATOM	4305	N	GLY	1267	104.611	62.387	30.249	1.00	21.17
ATOM	4306	CA	GLY	1267	104.127	63.523	31.014	1.00	22.19
ATOM	4307	C	GLY	1267	102.648	63.543	31.355	1.00	22.76
ATOM	4308	O	GLY	1267	102.041	64.613	31.431	1.00	21.01
ATOM	4309	N	VAL	1268	102.065	62.372	31.591	1.00	23.69
ATOM	4310	CA	VAL	1268	100.653	62.307	31.941	1.00	23.87
ATOM	4311	CB	VAL	1268	100.080	60.893	31.731	1.00	20.71
ATOM	4312	CG1	VAL	1268	100.520	59.964	32.826	1.00	17.95
ATOM	4313	CG2	VAL	1268	98.578	60.950	31.626	1.00	20.64
ATOM	4314	C	VAL	1268	100.452	62.771	33.384	1.00	25.49
ATOM	4315	O	VAL	1268	101.144	62.322	34.303	1.00	26.11
ATOM	4316	N	ASP	1269	99.518	63.697	33.566	1.00	25.93
ATOM	4317	CA	ASP	1269	99.222	64.259	34.879	1.00	26.16
ATOM	4318	CB	ASP	1269	98.559	65.635	34.722	1.00	28.20
ATOM	4319	CG	ASP	1269	99.417	66.619	33.933	1.00	31.21
ATOM	4320	OD1	ASP	1269	99.365	66.591	32.686	1.00	31.29
ATOM	4321	OD2	ASP	1269	100.138	67.425	34.558	1.00	33.35
ATOM	4322	C	ASP	1269	98.347	63.358	35.750	1.00	25.89
ATOM	4323	O	ASP	1269	98.545	63.282	36.961	1.00	28.47
ATOM	4324	N	VAL	1270	97.355	62.709	35.145	1.00	24.11
ATOM	4325	CA	VAL	1270	96.455	61.833	35.889	1.00	21.61
ATOM	4326	CB	VAL	1270	95.073	62.465	36.165	1.00	21.00
ATOM	4327	CG1	VAL	1270	94.877	62.637	37.649	1.00	23.22
ATOM	4328	CG2	VAL	1270	94.880	63.776	35.396	1.00	19.40
ATOM	4329	C	VAL	1270	96.165	60.554	35.148	1.00	21.02
ATOM	4330	O	VAL	1270	95.971	60.559	33.932	1.00	19.61
ATOM	4331	N	VAL	1271	96.102	59.460	35.889	1.00	20.75
ATOM	4332	CA	VAL	1271	95.790	58.183	35.290	1.00	22.08
ATOM	4333	CB	VAL	1271	96.978	57.212	35.333	1.00	24.24
ATOM	4334	CG1	VAL	1271	96.520	55.814	34.937	1.00	20.83
ATOM	4335	CG2	VAL	1271	98.078	57.697	34.380	1.00	25.92
ATOM	4336	C	VAL	1271	94.590	57.598	36.014	1.00	23.47
ATOM	4337	O	VAL	1271	94.499	57.643	37.246	1.00	22.00
ATOM	4338	N	VAL	1272	93.641	57.111	35.227	1.00	23.18
ATOM	4339	CA	VAL	1272	92.437	56.526	35.761	1.00	21.99
ATOM	4340	CB	VAL	1272	91.168	57.241	35.221	1.00	25.19
ATOM	4341	CG1	VAL	1272	91.239	57.393	33.715	1.00	25.64
ATOM	4342	CG2	VAL	1272	89.900	56.475	35.637	1.00	26.87
ATOM	4343	C	VAL	1272	92.393	55.052	35.421	1.00	22.23
ATOM	4344	O	VAL	1272	92.586	54.654	34.266	1.00	21.79
ATOM	4345	N	LEU	1273	92.195	54.241	36.448	1.00	21.58
ATOM	4346	CA	LEU	1273	92.103	52.812	36.265	1.00	21.13
ATOM	4347	CB	LEU	1273	92.339	52.122	37.605	1.00	24.63
ATOM	4348	CG	LEU	1273	93.680	52.535	38.230	1.00	24.94
ATOM	4349	CD1	LEU	1273	93.830	51.939	39.598	1.00	27.27
ATOM	4350	CD2	LEU	1273	94.823	52.085	37.343	1.00	26.50
ATOM	4351	C	LEU	1273	90.704	52.537	35.706	1.00	20.20
ATOM	4352	O	LEU	1273	89.702	52.722	36.389	1.00	18.03
ATOM	4353	N	ASP	1274	90.656	52.158	34.435	1.00	20.86
ATOM	4354	CA	ASP	1274	89.408	51.891	33.719	1.00	21.60
ATOM	4355	CB	ASP	1274	89.674	52.044	32.224	1.00	25.04
ATOM	4356	CG	ASP	1274	88.417	52.154	31.422	1.00	27.01
ATOM	4357	OD1	ASP	1274	87.498	52.859	31.877	1.00	34.85
ATOM	4358	OD2	ASP	1274	88.352	51.553	30.328	1.00	29.20
ATOM	4359	C	ASP	1274	88.768	50.524	34.001	1.00	21.35
ATOM	4360	O	ASP	1274	89.274	49.492	33.550	1.00	22.84
ATOM	4361	N	SER	1275	87.613	50.531	34.666	1.00	20.22
ATOM	4362	CA	SER	1275	86.906	49.302	35.025	1.00	18.99
ATOM	4363	CB	SER	1275	87.538	48.702	36.282	1.00	19.46

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 : October 2, 2000
 : MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 75/118

FIG. 1A-75

ATOM	4364	OG	SER	1275	86.699	47.720	36.863	1.00	23.41
ATOM	4365	C	SER	1275	85.418	49.542	35.274	1.00	18.85
ATOM	4366	O	SER	1275	85.021	50.632	35.680	1.00	18.12
ATOM	4367	N	SER	1276	84.603	48.517	35.033	1.00	17.36
ATOM	4368	CA	SER	1276	83.166	48.615	35.239	1.00	15.68
ATOM	4369	CB	SER	1276	82.433	47.646	34.334	1.00	13.74
ATOM	4370	OG	SER	1276	82.567	46.332	34.821	1.00	15.88
ATOM	4371	C	SER	1276	82.783	48.315	36.684	1.00	17.25
ATOM	4372	O	SER	1276	81.669	48.604	37.107	1.00	19.29
ATOM	4373	N	GLN	1277	83.683	47.672	37.414	1.00	16.78
ATOM	4374	CA	GLN	1277	83.451	47.330	38.813	1.00	15.86
ATOM	4375	CB	GLN	1277	82.899	45.897	38.924	1.00	13.83
ATOM	4376	CG	GLN	1277	81.879	45.659	40.038	1.00	10.35
ATOM	4377	CD	GLN	1277	82.484	45.685	41.435	1.00	15.01
ATOM	4378	OE1	GLN	1277	83.130	46.656	41.831	1.00	21.16
ATOM	4379	NE2	GLN	1277	82.261	44.626	42.195	1.00	12.93
ATOM	4380	C	GLN	1277	84.836	47.450	39.437	1.00	15.34
ATOM	4381	O	GLN	1277	85.623	46.510	39.435	1.00	15.76
ATOM	4382	N	GLY	1278	85.138	48.635	39.942	1.00	17.13
ATOM	4383	CA	GLY	1278	86.449	48.884	40.510	1.00	19.13
ATOM	4384	C	GLY	1278	86.805	48.355	41.884	1.00	20.39
ATOM	4385	O	GLY	1278	87.963	48.465	42.286	1.00	22.24
ATOM	4386	N	ASN	1279	85.855	47.796	42.622	1.00	19.95
ATOM	4387	CA	ASN	1279	86.184	47.296	43.946	1.00	18.23
ATOM	4388	CB	ASN	1279	84.968	47.357	44.861	1.00	17.99
ATOM	4389	CG	ASN	1279	85.299	46.994	46.291	1.00	20.23
ATOM	4390	OD1	ASN	1279	84.431	46.559	47.047	1.00	22.30
ATOM	4391	ND2	ASN	1279	86.550	47.187	46.677	1.00	18.73
ATOM	4392	C	ASN	1279	86.726	45.879	43.858	1.00	20.11
ATOM	4393	O	ASN	1279	86.015	44.912	44.132	1.00	22.26
ATOM	4394	N	SER	1280	87.990	45.754	43.469	1.00	18.39
ATOM	4395	CA	SER	1280	88.603	44.445	43.340	1.00	18.72
ATOM	4396	CB	SER	1280	88.592	43.985	41.884	1.00	17.06
ATOM	4397	OG	SER	1280	89.394	44.815	41.060	1.00	14.94
ATOM	4398	C	SER	1280	90.027	44.464	43.839	1.00	20.85
ATOM	4399	O	SER	1280	90.630	45.525	43.958	1.00	20.91
ATOM	4400	N	ILE	1281	90.560	43.279	44.122	1.00	22.22
ATOM	4401	CA	ILE	1281	91.928	43.134	44.599	1.00	18.70
ATOM	4402	CB	ILE	1281	92.204	41.707	45.097	1.00	17.63
ATOM	4403	CG2	ILE	1281	92.096	40.712	43.959	1.00	16.82
ATOM	4404	CG1	ILE	1281	93.589	41.636	45.733	1.00	23.52
ATOM	4405	CD1	ILE	1281	93.744	42.497	46.970	1.00	27.11
ATOM	4406	C	ILE	1281	92.901	43.473	43.486	1.00	17.34
ATOM	4407	O	ILE	1281	93.942	44.057	43.733	1.00	17.63
ATOM	4408	N	PHE	1282	92.540	43.128	42.255	1.00	18.73
ATOM	4409	CA	PHE	1282	93.385	43.402	41.092	1.00	20.07
ATOM	4410	CB	PHE	1282	92.670	43.005	39.795	1.00	17.08
ATOM	4411	CG	PHE	1282	92.159	41.588	39.792	1.00	22.43
ATOM	4412	CD1	PHE	1282	93.039	40.515	39.820	1.00	26.46
ATOM	4413	CD2	PHE	1282	90.794	41.325	39.785	1.00	26.55
ATOM	4414	CE1	PHE	1282	92.563	39.201	39.843	1.00	30.07
ATOM	4415	CE2	PHE	1282	90.309	40.014	39.808	1.00	25.06
ATOM	4416	CZ	PHE	1282	91.192	38.956	39.838	1.00	27.50
ATOM	4417	C	PHE	1282	93.705	44.888	41.066	1.00	22.54
ATOM	4418	O	PHE	1282	94.874	45.287	41.056	1.00	25.62
ATOM	4419	N	GLN	1283	92.661	45.709	41.115	1.00	22.95
ATOM	4420	CA	GLN	1283	92.832	47.146	41.093	1.00	21.25
ATOM	4421	CB	GLN	1283	91.511	47.840	40.854	1.00	22.07
ATOM	4422	CG	GLN	1283	91.664	49.331	40.945	1.00	26.78

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 1A-76

ATOM	4423	CD	GLN	1283	90.504	50.068	40.363	1.00	25.14
ATOM	4424	OE1	GLN	1283	90.003	51.012	40.961	1.00	25.91
ATOM	4425	NE2	GLN	1283	90.077	49.658	39.178	1.00	27.92
ATOM	4426	C	GLN	1283	93.462	47.689	42.360	1.00	21.70
ATOM	4427	O	GLN	1283	94.318	48.564	42.290	1.00	22.53
ATOM	4428	N	ILE	1284	93.002	47.207	43.512	1.00	22.32
ATOM	4429	CA	ILE	1284	93.535	47.628	44.813	1.00	22.57
ATOM	4430	CB	ILE	1284	92.981	46.745	45.976	1.00	22.24
ATOM	4431	CG2	ILE	1284	93.803	46.933	47.237	1.00	24.28
ATOM	4432	CG1	ILE	1284	91.519	47.079	46.267	1.00	19.88
ATOM	4433	CD1	ILE	1284	90.888	46.144	47.282	1.00	18.19
ATOM	4434	C	ILE	1284	95.053	47.490	44.800	1.00	23.74
ATOM	4435	O	ILE	1284	95.775	48.376	45.271	1.00	26.46
ATOM	4436	N	ASN	1285	95.532	46.372	44.267	1.00	22.44
ATOM	4437	CA	ASN	1285	96.961	46.124	44.198	1.00	23.17
ATOM	4438	CB	ASN	1285	97.253	44.684	43.759	1.00	20.77
ATOM	4439	CG	ASN	1285	97.072	43.669	44.887	1.00	20.36
ATOM	4440	OD1	ASN	1285	96.805	42.490	44.631	1.00	24.13
ATOM	4441	ND2	ASN	1285	97.246	44.108	46.128	1.00	14.74
ATOM	4442	C	ASN	1285	97.617	47.117	43.246	1.00	25.34
ATOM	4443	O	ASN	1285	98.677	47.666	43.546	1.00	28.24
ATOM	4444	N	MET	1286	96.963	47.387	42.124	1.00	25.91
ATOM	4445	CA	MET	1286	97.505	48.323	41.152	1.00	28.16
ATOM	4446	CB	MET	1286	96.630	48.363	39.902	1.00	28.67
ATOM	4447	CG	MET	1286	97.171	49.264	38.799	1.00	36.28
ATOM	4448	SD	MET	1286	98.715	48.689	38.035	1.00	38.55
ATOM	4449	CE	MET	1286	98.426	49.121	36.310	1.00	33.76
ATOM	4450	C	MET	1286	97.648	49.731	41.738	1.00	29.19
ATOM	4451	O	MET	1286	98.662	50.393	41.527	1.00	30.56
ATOM	4452	N	ILE	1287	96.652	50.174	42.501	1.00	27.85
ATOM	4453	CA	ILE	1287	96.688	51.502	43.092	1.00	25.81
ATOM	4454	CB	ILE	1287	95.405	51.813	43.873	1.00	24.59
ATOM	4455	CG2	ILE	1287	95.458	53.237	44.415	1.00	25.47
ATOM	4456	CG1	ILE	1287	94.193	51.660	42.953	1.00	22.46
ATOM	4457	CD1	ILE	1287	92.874	51.620	43.673	1.00	23.78
ATOM	4458	C	ILE	1287	97.891	51.643	44.005	1.00	26.84
ATOM	4459	O	ILE	1287	98.594	52.654	43.950	1.00	28.07
ATOM	4460	N	LYS	1288	98.143	50.623	44.820	1.00	27.20
ATOM	4461	CA	LYS	1288	99.284	50.640	45.736	1.00	27.46
ATOM	4462	CB	LYS	1288	99.252	49.417	46.650	1.00	30.05
ATOM	4463	CG	LYS	1288	98.036	49.335	47.562	1.00	30.55
ATOM	4464	CD	LYS	1288	98.070	48.045	48.367	1.00	32.83
ATOM	4465	CE	LYS	1288	96.838	47.890	49.229	1.00	39.32
ATOM	4466	NZ	LYS	1288	96.699	49.020	50.186	1.00	47.11
ATOM	4467	C	LYS	1288	100.596	50.673	44.951	1.00	27.26
ATOM	4468	O	LYS	1288	101.502	51.438	45.273	1.00	27.28
ATOM	4469	N	TYR	1289	100.684	49.846	43.914	1.00	27.29
ATOM	4470	CA	TYR	1289	101.865	49.791	43.056	1.00	28.47
ATOM	4471	CB	TYR	1289	101.625	48.799	41.903	1.00	28.60
ATOM	4472	CG	TYR	1289	102.557	48.960	40.722	1.00	28.87
ATOM	4473	CD1	TYR	1289	102.192	49.728	39.614	1.00	29.46
ATOM	4474	CE1	TYR	1289	103.069	49.914	38.547	1.00	31.03
ATOM	4475	CD2	TYR	1289	103.820	48.375	40.728	1.00	31.59
ATOM	4476	CE2	TYR	1289	104.708	48.553	39.664	1.00	29.02
ATOM	4477	CZ	TYR	1289	104.327	49.321	38.581	1.00	31.10
ATOM	4478	OH	TYR	1289	105.207	49.484	37.536	1.00	30.82
ATOM	4479	C	TYR	1289	102.193	51.180	42.493	1.00	28.78
ATOM	4480	O	TYR	1289	103.305	51.669	42.641	1.00	29.48
ATOM	4481	N	MET	1290	101.201	51.816	41.883	1.00	29.89

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No. : VPI/96-03 DIV2
 Application No. : 09/678,016 October 2, 2000
 TITLE : MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 77/118

FIG. 1A-77

ATOM	4482	CA	MET	1290	101.348	53.133	41.276	1.00	30.44
ATOM	4483	CB	MET	1290	100.028	53.561	40.643	1.00	31.57
ATOM	4484	CG	MET	1290	99.579	52.680	39.497	1.00	33.84
ATOM	4485	SD	MET	1290	98.003	53.207	38.816	1.00	34.81
ATOM	4486	CE	MET	1290	98.487	54.694	37.920	1.00	30.99
ATOM	4487	C	MET	1290	101.822	54.226	42.225	1.00	32.79
ATOM	4488	O	MET	1290	102.509	55.159	41.804	1.00	31.48
ATOM	4489	N	LYS	1291	101.417	54.139	43.489	1.00	35.25
ATOM	4490	CA	LYS	1291	101.810	55.132	44.487	1.00	37.17
ATOM	4491	CB	LYS	1291	100.763	55.209	45.602	1.00	38.08
ATOM	4492	CG	LYS	1291	99.336	55.394	45.099	1.00	36.81
ATOM	4493	CD	LYS	1291	99.172	56.661	44.268	1.00	38.58
ATOM	4494	CE	LYS	1291	99.288	57.907	45.130	1.00	38.10
ATOM	4495	NZ	LYS	1291	99.087	59.155	44.349	1.00	34.25
ATOM	4496	C	LYS	1291	103.196	54.824	45.053	1.00	38.96
ATOM	4497	O	LYS	1291	103.878	55.711	45.563	1.00	39.01
ATOM	4498	N	GLU	1292	103.592	53.556	44.994	1.00	41.96
ATOM	4499	CA	GLU	1292	104.916	53.144	45.456	1.00	45.55
ATOM	4500	CB	GLU	1292	105.037	51.608	45.509	1.00	51.52
ATOM	4501	CG	GLU	1292	104.263	50.910	46.636	1.00	62.57
ATOM	4502	CD	GLU	1292	104.341	49.374	46.570	1.00	68.88
ATOM	4503	OE1	GLU	1292	103.372	48.706	47.005	1.00	67.53
ATOM	4504	OE2	GLU	1292	105.366	48.833	46.090	1.00	72.18
ATOM	4505	C	GLU	1292	105.907	53.672	44.417	1.00	44.62
ATOM	4506	O	GLU	1292	106.841	54.406	44.740	1.00	46.70
ATOM	4507	N	LYS	1293	105.642	53.333	43.159	1.00	42.18
ATOM	4508	CA	LYS	1293	106.485	53.724	42.041	1.00	39.72
ATOM	4509	CB	LYS	1293	106.106	52.921	40.799	1.00	36.18
ATOM	4510	CG	LYS	1293	107.107	53.036	39.677	1.00	34.73
ATOM	4511	CD	LYS	1293	106.759	52.096	38.554	1.00	34.72
ATOM	4512	CE	LYS	1293	107.897	51.979	37.575	1.00	34.77
ATOM	4513	NZ	LYS	1293	109.072	51.348	38.214	1.00	35.52
ATOM	4514	C	LYS	1293	106.464	55.214	41.719	1.00	39.53
ATOM	4515	O	LYS	1293	107.513	55.821	41.526	1.00	40.47
ATOM	4516	N	TYR	1294	105.278	55.800	41.650	1.00	39.92
ATOM	4517	CA	TYR	1294	105.139	57.217	41.333	1.00	41.35
ATOM	4518	CB	TYR	1294	104.370	57.373	40.019	1.00	39.56
ATOM	4519	CG	TYR	1294	105.002	56.664	38.846	1.00	37.42
ATOM	4520	CD1	TYR	1294	106.057	57.248	38.146	1.00	34.52
ATOM	4521	CE1	TYR	1294	106.647	56.609	37.074	1.00	30.70
ATOM	4522	CD2	TYR	1294	104.546	55.414	38.430	1.00	36.48
ATOM	4523	CE2	TYR	1294	105.134	54.765	37.354	1.00	34.69
ATOM	4524	CZ	TYR	1294	106.184	55.373	36.681	1.00	33.54
ATOM	4525	OH	TYR	1294	106.785	54.740	35.622	1.00	34.85
ATOM	4526	C	TYR	1294	104.396	57.940	42.455	1.00	43.75
ATOM	4527	O	TYR	1294	103.263	58.389	42.269	1.00	45.43
ATOM	4528	N	PRO	1295	105.062	58.156	43.599	1.00	44.48
ATOM	4529	CD	PRO	1295	106.490	57.864	43.816	1.00	44.93
ATOM	4530	CA	PRO	1295	104.496	58.825	44.778	1.00	45.66
ATOM	4531	CB	PRO	1295	105.734	59.120	45.618	1.00	46.12
ATOM	4532	CG	PRO	1295	106.608	57.952	45.318	1.00	46.75
ATOM	4533	C	PRO	1295	103.672	60.095	44.541	1.00	46.24
ATOM	4534	O	PRO	1295	102.885	60.495	45.403	1.00	47.08
ATOM	4535	N	ASN	1296	103.824	60.717	43.378	1.00	45.80
ATOM	4536	CA	ASN	1296	103.090	61.945	43.114	1.00	45.31
ATOM	4537	CB	ASN	1296	104.068	63.107	42.963	1.00	46.95
ATOM	4538	CG	ASN	1296	104.850	63.368	44.235	1.00	50.05
ATOM	4539	OD1	ASN	1296	106.078	63.384	44.226	1.00	54.17
ATOM	4540	ND2	ASN	1296	104.143	63.555	45.343	1.00	49.91

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 File : October 2, 2000
 For : MOLECULES COMPRISING AN IMPDH-LIKE B G POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 78/118



FIG. 1A-78

ATOM	4541	C	ASN	1296	102.076	61.935	41.972	1.00	44.03
ATOM	4542	O	ASN	1296	101.339	62.911	41.799	1.00	46.11
ATOM	4543	N	LEU	1297	102.014	60.845	41.207	1.00	39.68
ATOM	4544	CA	LEU	1297	101.058	60.752	40.106	1.00	34.77
ATOM	4545	CB	LEU	1297	101.385	59.569	39.188	1.00	32.40
ATOM	4546	CG	LEU	1297	100.414	59.204	38.056	1.00	26.62
ATOM	4547	CD1	LEU	1297	100.234	60.363	37.092	1.00	20.76
ATOM	4548	CD2	LEU	1297	100.934	57.977	37.324	1.00	27.04
ATOM	4549	C	LEU	1297	99.661	60.579	40.688	1.00	32.96
ATOM	4550	O	LEU	1297	99.408	59.653	41.465	1.00	33.13
ATOM	4551	N	GLN	1298	98.767	61.492	40.331	1.00	30.12
ATOM	4552	CA	GLN	1298	97.398	61.445	40.812	1.00	28.27
ATOM	4553	CB	GLN	1298	96.683	62.753	40.474	1.00	26.70
ATOM	4554	CG	GLN	1298	97.320	63.998	41.072	1.00	26.80
ATOM	4555	CD	GLN	1298	97.048	64.155	42.553	1.00	25.70
ATOM	4556	OE1	GLN	1298	95.959	64.565	42.952	1.00	25.44
ATOM	4557	NE2	GLN	1298	98.037	63.844	43.376	1.00	26.28
ATOM	4558	C	GLN	1298	96.683	60.268	40.148	1.00	27.95
ATOM	4559	O	GLN	1298	96.686	60.146	38.914	1.00	28.23
ATOM	4560	N	VAL	1299	96.099	59.394	40.968	1.00	25.50
ATOM	4561	CA	VAL	1299	95.381	58.227	40.470	1.00	23.49
ATOM	4562	CB	VAL	1299	96.023	56.927	40.980	1.00	25.33
ATOM	4563	CG1	VAL	1299	95.354	55.721	40.333	1.00	26.24
ATOM	4564	CG2	VAL	1299	97.527	56.929	40.686	1.00	25.54
ATOM	4565	C	VAL	1299	93.899	58.241	40.846	1.00	21.79
ATOM	4566	O	VAL	1299	93.522	58.728	41.914	1.00	18.96
ATOM	4567	N	ILE	1300	93.072	57.711	39.945	1.00	23.20
ATOM	4568	CA	ILE	1300	91.619	57.613	40.106	1.00	20.97
ATOM	4569	CB	ILE	1300	90.902	58.402	38.992	1.00	18.02
ATOM	4570	CG2	ILE	1300	89.407	58.388	39.200	1.00	23.79
ATOM	4571	CG1	ILE	1300	91.387	59.851	38.986	1.00	15.75
ATOM	4572	CD1	ILE	1300	90.869	60.662	37.831	1.00	11.52
ATOM	4573	C	ILE	1300	91.259	56.116	40.021	1.00	23.56
ATOM	4574	O	ILE	1300	91.835	55.376	39.203	1.00	23.77
ATOM	4575	N	GLY	1301	90.281	55.680	40.817	1.00	24.52
ATOM	4576	CA	GLY	1301	89.931	54.267	40.842	1.00	25.42
ATOM	4577	C	GLY	1301	88.656	53.667	40.264	1.00	26.79
ATOM	4578	O	GLY	1301	87.544	54.127	40.527	1.00	23.49
ATOM	4579	N	GLY	1302	88.872	52.560	39.545	1.00	30.40
ATOM	4580	CA	GLY	1302	87.841	51.757	38.899	1.00	27.86
ATOM	4581	C	GLY	1302	86.635	52.519	38.468	1.00	29.36
ATOM	4582	O	GLY	1302	86.703	53.334	37.558	1.00	34.73
ATOM	4583	N	ASN	1303	85.521	52.201	39.105	1.00	26.96
ATOM	4584	CA	ASN	1303	84.243	52.853	38.878	1.00	22.20
ATOM	4585	CB	ASN	1303	83.665	52.538	37.502	1.00	19.58
ATOM	4586	CG	ASN	1303	83.615	53.764	36.600	1.00	21.65
ATOM	4587	OD1	ASN	1303	84.623	54.160	36.019	1.00	23.46
ATOM	4588	ND2	ASN	1303	82.441	54.373	36.483	1.00	19.93
ATOM	4589	C	ASN	1303	83.405	52.256	39.975	1.00	21.48
ATOM	4590	O	ASN	1303	83.237	51.031	40.036	1.00	23.60
ATOM	4591	N	VAL	1304	83.008	53.104	40.917	1.00	19.16
ATOM	4592	CA	VAL	1304	82.219	52.680	42.064	1.00	15.46
ATOM	4593	CB	VAL	1304	82.972	52.975	43.389	1.00	12.26
ATOM	4594	CG1	VAL	1304	84.255	52.158	43.465	1.00	11.22
ATOM	4595	CG2	VAL	1304	83.279	54.464	43.512	1.00	6.37
ATOM	4596	C	VAL	1304	80.851	53.346	42.131	1.00	15.07
ATOM	4597	O	VAL	1304	80.628	54.392	41.527	1.00	14.88
ATOM	4598	N	VAL	1305	79.921	52.707	42.833	1.00	15.51
ATOM	4599	CA	VAL	1305	78.583	53.256	43.023	1.00	16.66

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1A-79

ATOM	4600	CB	VAL	1305	77.522	52.568	42.135	1.00	11.85
ATOM	4601	CG1	VAL	1305	77.863	52.742	40.686	1.00	16.33
ATOM	4602	CG2	VAL	1305	77.387	51.113	42.484	1.00	9.15
ATOM	4603	C	VAL	1305	78.162	53.113	44.484	1.00	19.22
ATOM	4604	O	VAL	1305	77.079	53.565	44.871	1.00	21.20
ATOM	4605	N	THR	1306	79.049	52.550	45.302	1.00	19.23
ATOM	4606	CA	THR	1306	78.757	52.328	46.715	1.00	19.71
ATOM	4607	CB	THR	1306	78.495	50.838	46.959	1.00	18.95
ATOM	4608	OG1	THR	1306	77.323	50.444	46.239	1.00	19.72
ATOM	4609	CG2	THR	1306	78.309	50.546	48.425	1.00	23.97
ATOM	4610	C	THR	1306	79.843	52.805	47.683	1.00	19.97
ATOM	4611	O	THR	1306	81.036	52.772	47.374	1.00	19.43
ATOM	4612	N	ALA	1307	79.411	53.232	48.866	1.00	20.52
ATOM	4613	CA	ALA	1307	80.310	53.703	49.908	1.00	20.85
ATOM	4614	CB	ALA	1307	79.502	54.112	51.123	1.00	20.42
ATOM	4615	C	ALA	1307	81.341	52.624	50.282	1.00	22.03
ATOM	4616	O	ALA	1307	82.516	52.922	50.508	1.00	23.72
ATOM	4617	N	ALA	1308	80.897	51.372	50.323	1.00	20.40
ATOM	4618	CA	ALA	1308	81.761	50.245	50.653	1.00	18.53
ATOM	4619	CB	ALA	1308	80.937	48.987	50.770	1.00	21.04
ATOM	4620	C	ALA	1308	82.870	50.059	49.623	1.00	18.54
ATOM	4621	O	ALA	1308	84.023	49.828	49.983	1.00	22.02
ATOM	4622	N	GLN	1309	82.517	50.135	48.344	1.00	16.74
ATOM	4623	CA	GLN	1309	83.498	50.009	47.276	1.00	18.03
ATOM	4624	CB	GLN	1309	82.828	50.091	45.913	1.00	20.48
ATOM	4625	CG	GLN	1309	81.908	48.962	45.530	1.00	16.20
ATOM	4626	CD	GLN	1309	81.190	49.286	44.240	1.00	16.50
ATOM	4627	OE1	GLN	1309	80.346	50.187	44.202	1.00	18.85
ATOM	4628	NE2	GLN	1309	81.552	48.599	43.164	1.00	12.20
ATOM	4629	C	GLN	1309	84.468	51.179	47.376	1.00	19.43
ATOM	4630	O	GLN	1309	85.679	51.011	47.245	1.00	21.03
ATOM	4631	N	ALA	1310	83.916	52.373	47.569	1.00	20.11
ATOM	4632	CA	ALA	1310	84.718	53.586	47.686	1.00	21.85
ATOM	4633	CB	ALA	1310	83.817	54.794	47.940	1.00	20.77
ATOM	4634	C	ALA	1310	85.771	53.463	48.791	1.00	22.24
ATOM	4635	O	ALA	1310	86.928	53.834	48.593	1.00	22.99
ATOM	4636	N	LYS	1311	85.384	52.886	49.924	1.00	21.35
ATOM	4637	CA	LYS	1311	86.295	52.719	51.050	1.00	22.31
ATOM	4638	CB	LYS	1311	85.611	51.979	52.197	1.00	22.74
ATOM	4639	CG	LYS	1311	86.520	51.778	53.397	1.00	24.78
ATOM	4640	CD	LYS	1311	86.100	50.572	54.208	1.00	32.40
ATOM	4641	CE	LYS	1311	87.095	50.274	55.319	1.00	37.18
ATOM	4642	NZ	LYS	1311	87.287	51.440	56.238	1.00	41.69
ATOM	4643	C	LYS	1311	87.588	51.990	50.696	1.00	22.69
ATOM	4644	O	LYS	1311	88.672	52.397	51.117	1.00	22.36
ATOM	4645	N	ASN	1312	87.483	50.899	49.946	1.00	23.27
ATOM	4646	CA	ASN	1312	88.672	50.136	49.578	1.00	22.53
ATOM	4647	CB	ASN	1312	88.304	48.830	48.861	1.00	23.31
ATOM	4648	CG	ASN	1312	87.556	47.850	49.754	1.00	24.55
ATOM	4649	OD1	ASN	1312	86.738	47.074	49.269	1.00	25.84
ATOM	4650	ND2	ASN	1312	87.846	47.863	51.053	1.00	23.39
ATOM	4651	C	ASN	1312	89.630	50.943	48.718	1.00	22.69
ATOM	4652	O	ASN	1312	90.836	50.943	48.974	1.00	24.35
ATOM	4653	N	LEU	1313	89.101	51.646	47.718	1.00	20.91
ATOM	4654	CA	LEU	1313	89.941	52.441	46.827	1.00	18.39
ATOM	4655	CB	LEU	1313	89.133	52.934	45.622	1.00	16.38
ATOM	4656	CG	LEU	1313	88.328	51.881	44.846	1.00	11.74
ATOM	4657	CD1	LEU	1313	87.723	52.500	43.610	1.00	10.15
ATOM	4658	CD2	LEU	1313	89.213	50.719	44.453	1.00	12.09

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 1A-80

ATOM	4659	C	LEU	1313	90.557	53.613	47.599	1.00	18.99
ATOM	4660	O	LEU	1313	91.721	53.981	47.386	1.00	19.65
ATOM	4661	N	ILE	1314	89.775	54.193	48.499	1.00	17.22
ATOM	4662	CA	ILE	1314	90.255	55.290	49.315	1.00	18.32
ATOM	4663	CB	ILE	1314	89.112	55.909	50.147	1.00	19.59
ATOM	4664	CG2	ILE	1314	89.665	56.822	51.214	1.00	19.87
ATOM	4665	CG1	ILE	1314	88.178	56.697	49.226	1.00	19.36
ATOM	4666	CD1	ILE	1314	86.994	57.311	49.932	1.00	23.63
ATOM	4667	C	ILE	1314	91.368	54.756	50.207	1.00	18.18
ATOM	4668	O	ILE	1314	92.424	55.366	50.331	1.00	17.86
ATOM	4669	N	ASP	1315	91.146	53.582	50.786	1.00	21.02
ATOM	4670	CA	ASP	1315	92.144	52.943	51.644	1.00	21.47
ATOM	4671	CB	ASP	1315	91.606	51.630	52.210	1.00	20.30
ATOM	4672	CG	ASP	1315	90.642	51.835	53.358	1.00	21.08
ATOM	4673	OD1	ASP	1315	90.549	52.963	53.888	1.00	23.31
ATOM	4674	OD2	ASP	1315	89.986	50.849	53.742	1.00	23.73
ATOM	4675	C	ASP	1315	93.402	52.656	50.846	1.00	21.19
ATOM	4676	O	ASP	1315	94.505	52.809	51.351	1.00	22.38
ATOM	4677	N	ALA	1316	93.217	52.230	49.600	1.00	22.07
ATOM	4678	CA	ALA	1316	94.316	51.917	48.703	1.00	21.27
ATOM	4679	CB	ALA	1316	93.792	51.254	47.440	1.00	18.78
ATOM	4680	C	ALA	1316	95.091	53.185	48.361	1.00	23.36
ATOM	4681	O	ALA	1316	96.242	53.113	47.931	1.00	25.93
ATOM	4682	N	GLY	1317	94.456	54.343	48.522	1.00	23.56
ATOM	4683	CA	GLY	1317	95.140	55.593	48.248	1.00	22.93
ATOM	4684	C	GLY	1317	94.764	56.334	46.981	1.00	25.16
ATOM	4685	O	GLY	1317	95.605	57.027	46.405	1.00	26.81
ATOM	4686	N	VAL	1318	93.526	56.191	46.518	1.00	24.52
ATOM	4687	CA	VAL	1318	93.112	56.915	45.321	1.00	22.03
ATOM	4688	CB	VAL	1318	91.762	56.416	44.781	1.00	19.33
ATOM	4689	CG1	VAL	1318	91.851	54.939	44.419	1.00	17.47
ATOM	4690	CG2	VAL	1318	90.658	56.681	45.793	1.00	14.65
ATOM	4691	C	VAL	1318	92.992	58.407	45.644	1.00	23.29
ATOM	4692	O	VAL	1318	92.686	58.784	46.779	1.00	21.11
ATOM	4693	N	ASP	1319	93.237	59.247	44.642	1.00	24.55
ATOM	4694	CA	ASP	1319	93.156	60.702	44.792	1.00	24.09
ATOM	4695	CB	ASP	1319	94.255	61.374	43.966	1.00	24.39
ATOM	4696	CG	ASP	1319	95.637	60.944	44.391	1.00	27.24
ATOM	4697	OD1	ASP	1319	96.101	61.403	45.454	1.00	29.40
ATOM	4698	OD2	ASP	1319	96.252	60.129	43.678	1.00	29.66
ATOM	4699	C	ASP	1319	91.793	61.284	44.397	1.00	23.19
ATOM	4700	O	ASP	1319	91.499	62.450	44.692	1.00	22.82
ATOM	4701	N	ALA	1320	90.985	60.469	43.717	1.00	21.37
ATOM	4702	CA	ALA	1320	89.648	60.837	43.248	1.00	18.83
ATOM	4703	CB	ALA	1320	89.734	61.685	41.991	1.00	17.58
ATOM	4704	C	ALA	1320	88.921	59.544	42.934	1.00	19.14
ATOM	4705	O	ALA	1320	89.555	58.500	42.779	1.00	21.36
ATOM	4706	N	LEU	1321	87.600	59.606	42.817	1.00	18.91
ATOM	4707	CA	LEU	1321	86.806	58.417	42.512	1.00	18.35
ATOM	4708	CB	LEU	1321	85.902	58.065	43.697	1.00	19.13
ATOM	4709	CG	LEU	1321	86.535	57.340	44.889	1.00	18.32
ATOM	4710	CD1	LEU	1321	85.605	57.384	46.085	1.00	18.96
ATOM	4711	CD2	LEU	1321	86.850	55.905	44.510	1.00	16.25
ATOM	4712	C	LEU	1321	85.959	58.608	41.259	1.00	17.08
ATOM	4713	O	LEU	1321	85.424	59.689	41.027	1.00	16.83
ATOM	4714	N	ARG	1322	85.887	57.581	40.421	1.00	14.82
ATOM	4715	CA	ARG	1322	85.071	57.654	39.216	1.00	14.44
ATOM	4716	CB	ARG	1322	85.820	57.032	38.043	1.00	11.02
ATOM	4717	CG	ARG	1322	85.147	57.239	36.713	1.00	13.22

APPROVED	O. G. FIG.	
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 Appli No. : 09/678,016 Filed : September 2, 2000
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 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 81/118

FIG. 1A-81

ATOM	4718	CD	ARG	1322	86.089	56.862	35.596	1.00	14.14
ATOM	4719	NE	ARG	1322	85.437	56.859	34.295	1.00	16.06
ATOM	4720	CZ	ARG	1322	85.739	56.013	33.312	1.00	18.68
ATOM	4721	NH1	ARG	1322	86.688	55.103	33.480	1.00	12.90
ATOM	4722	NH2	ARG	1322	85.089	56.065	32.160	1.00	22.89
ATOM	4723	C	ARG	1322	83.788	56.877	39.565	1.00	15.81
ATOM	4724	O	ARG	1322	83.828	55.671	39.806	1.00	15.90
ATOM	4725	N	VAL	1323	82.666	57.583	39.648	1.00	15.81
ATOM	4726	CA	VAL	1323	81.407	56.972	40.047	1.00	16.05
ATOM	4727	CB	VAL	1323	80.766	57.791	41.177	1.00	15.65
ATOM	4728	CG1	VAL	1323	79.392	57.253	41.525	1.00	19.48
ATOM	4729	CG2	VAL	1323	81.676	57.789	42.396	1.00	16.93
ATOM	4730	C	VAL	1323	80.368	56.743	38.961	1.00	18.35
ATOM	4731	O	VAL	1323	79.986	57.670	38.238	1.00	19.74
ATOM	4732	N	GLY	1324	79.864	55.514	38.903	1.00	17.75
ATOM	4733	CA	GLY	1324	78.850	55.170	37.927	1.00	15.53
ATOM	4734	C	GLY	1324	78.957	53.738	37.447	1.00	15.75
ATOM	4735	O	GLY	1324	80.061	53.250	37.213	1.00	16.50
ATOM	4736	N	MET	1325	77.828	53.032	37.409	1.00	15.15
ATOM	4737	CA	MET	1325	77.793	51.668	36.902	1.00	14.24
ATOM	4738	CB	MET	1325	77.998	50.635	37.999	1.00	13.83
ATOM	4739	CG	MET	1325	78.194	49.236	37.432	1.00	18.02
ATOM	4740	SD	MET	1325	78.376	47.970	38.682	1.00	25.48
ATOM	4741	CE	MET	1325	79.669	48.707	39.673	1.00	29.99
ATOM	4742	C	MET	1325	76.496	51.387	36.140	1.00	13.62
ATOM	4743	O	MET	1325	75.433	51.229	36.732	1.00	14.65
ATOM	4744	N	GLY	1326	76.592	51.401	34.816	1.00	15.59
ATOM	4745	CA	GLY	1326	75.449	51.129	33.968	1.00	18.92
ATOM	4746	C	GLY	1326	74.629	52.296	33.448	1.00	21.59
ATOM	4747	O	GLY	1326	73.781	52.111	32.576	1.00	23.28
ATOM	4748	N	CYS	1327	74.872	53.496	33.954	1.00	23.19
ATOM	4749	CA	CYS	1327	74.110	54.665	33.521	1.00	23.22
ATOM	4750	CB	CYS	1327	74.136	55.729	34.613	1.00	18.50
ATOM	4751	SG	CYS	1327	75.784	56.191	35.112	1.00	18.84
ATOM	4752	C	CYS	1327	74.565	55.266	32.189	1.00	24.78
ATOM	4753	O	CYS	1327	73.901	56.161	31.646	1.00	26.13
ATOM	4754	N	GLY	1328	75.684	54.778	31.664	1.00	24.46
ATOM	4755	CA	GLY	1328	76.203	55.293	30.410	1.00	23.45
ATOM	4756	C	GLY	1328	75.240	55.065	29.268	1.00	23.29
ATOM	4757	O	GLY	1328	74.710	53.966	29.132	1.00	22.34
ATOM	4758	N	SER	1329	75.065	56.075	28.418	1.00	23.67
ATOM	4759	CA	SER	1329	74.153	56.010	27.275	1.00	21.72
ATOM	4760	CB	SER	1329	74.309	57.264	26.411	1.00	18.83
ATOM	4761	OG	SER	1329	75.661	57.486	26.073	1.00	19.92
ATOM	4762	C	SER	1329	74.294	54.757	26.417	1.00	21.22
ATOM	4763	O	SER	1329	73.307	54.248	25.880	1.00	21.26
ATOM	4764	N	ILE	1330	75.516	54.254	26.312	1.00	21.88
ATOM	4765	CA	ILE	1330	75.806	53.052	25.519	1.00	24.67
ATOM	4766	CB	ILE	1330	77.068	53.257	24.611	1.00	21.54
ATOM	4767	CG2	ILE	1330	76.852	54.403	23.637	1.00	16.03
ATOM	4768	CG1	ILE	1330	78.350	53.410	25.459	1.00	21.35
ATOM	4769	CD1	ILE	1330	78.372	54.506	26.530	1.00	20.54
ATOM	4770	C	ILE	1330	76.012	51.780	26.370	1.00	26.47
ATOM	4771	O	ILE	1330	76.448	50.742	25.863	1.00	25.65
ATOM	4772	N	XMP	1331	75.664	51.857	27.651	1.00	28.61
ATOM	4773	CA	XMP	1331	75.844	50.741	28.572	1.00	28.95
ATOM	4774	C	XMP	1331	74.656	49.800	28.600	1.00	29.12
ATOM	4775	O	XMP	1331	73.505	50.234	28.475	1.00	28.98
ATOM	4776	CB	XMP	1331	76.081	51.261	29.992	1.00	27.68

APPROVED	O. G. FIG.	
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FIG. 1A-82

ATOM	4777	P	XMP	1331	77.704	58.672	28.766	1.00	29.98
ATOM	4778	O1P	XMP	1331	76.256	58.670	29.170	1.00	33.22
ATOM	4779	O2P	XMP	1331	78.417	59.884	29.259	1.00	29.73
ATOM	4780	O3P	XMP	1331	77.839	58.575	27.286	1.00	26.90
ATOM	4781	O5*	XMP	1331	78.406	57.457	29.329	1.00	29.08
ATOM	4782	C5*	XMP	1331	79.849	57.458	29.143	1.00	27.18
ATOM	4783	C4*	XMP	1331	80.422	56.661	30.308	1.00	25.84
ATOM	4784	O4*	XMP	1331	79.820	55.352	30.328	1.00	25.54
ATOM	4785	C3*	XMP	1331	81.939	56.485	30.136	1.00	24.54
ATOM	4786	O3*	XMP	1331	82.715	57.371	30.927	1.00	21.39
ATOM	4787	C2*	XMP	1331	82.130	55.094	30.761	1.00	27.13
ATOM	4788	O2*	XMP	1331	82.153	55.101	32.198	1.00	27.86
ATOM	4789	C1*	XMP	1331	80.839	54.378	30.373	1.00	24.51
ATOM	4790	N9	XMP	1331	80.999	53.219	29.508	1.00	24.31
ATOM	4791	C8	XMP	1331	81.856	53.197	28.430	1.00	22.51
ATOM	4792	N7	XMP	1331	81.706	52.077	27.686	1.00	24.73
ATOM	4793	C5	XMP	1331	80.739	51.343	28.276	1.00	25.50
ATOM	4794	C6	XMP	1331	80.170	50.097	27.929	1.00	27.15
ATOM	4795	O6	XMP	1331	80.485	49.462	26.923	1.00	26.74
ATOM	4796	N1	XMP	1331	79.200	49.689	28.807	1.00	29.27
ATOM	4797	C2	XMP	1331	78.744	50.365	29.951	1.00	27.87
ATOM	4798	N3	XMP	1331	79.265	51.550	30.288	1.00	29.76
ATOM	4799	C4	XMP	1331	80.257	52.067	29.478	1.00	27.38
ATOM	4800	N	ILE	1332	74.948	48.507	28.729	1.00	29.28
ATOM	4801	CA	ILE	1332	73.921	47.470	28.833	1.00	27.71
ATOM	4802	CB	ILE	1332	73.681	46.671	27.490	1.00	24.78
ATOM	4803	CG2	ILE	1332	73.064	47.559	26.417	1.00	18.53
ATOM	4804	CG1	ILE	1332	74.970	46.053	26.968	1.00	25.48
ATOM	4805	CD1	ILE	1332	74.778	45.288	25.687	1.00	24.77
ATOM	4806	C	ILE	1332	74.313	46.524	29.982	1.00	28.17
ATOM	4807	O	ILE	1332	73.772	45.430	30.121	1.00	28.90
ATOM	4808	N	THR	1333	75.253	46.970	30.814	1.00	26.35
ATOM	4809	CA	THR	1333	75.716	46.195	31.960	1.00	24.76
ATOM	4810	CB	THR	1333	76.791	46.995	32.754	1.00	24.26
ATOM	4811	OG1	THR	1333	77.978	47.124	31.966	1.00	24.79
ATOM	4812	CG2	THR	1333	77.137	46.321	34.068	1.00	25.12
ATOM	4813	C	THR	1333	74.529	45.859	32.881	1.00	24.51
ATOM	4814	O	THR	1333	74.308	44.697	33.222	1.00	25.59
ATOM	4815	N	GLN	1334	73.750	46.872	33.253	1.00	21.99
ATOM	4816	CA	GLN	1334	72.611	46.669	34.142	1.00	20.76
ATOM	4817	CB	GLN	1334	71.885	47.986	34.423	1.00	13.81
ATOM	4818	CG	GLN	1334	72.640	48.912	35.332	1.00	13.57
ATOM	4819	CD	GLN	1334	71.931	50.230	35.559	1.00	14.57
ATOM	4820	OE1	GLN	1334	70.738	50.367	35.303	1.00	15.41
ATOM	4821	NE2	GLN	1334	72.666	51.209	36.043	1.00	17.86
ATOM	4822	C	GLN	1334	71.632	45.669	33.570	1.00	22.28
ATOM	4823	O	GLN	1334	71.001	44.915	34.300	1.00	23.73
ATOM	4824	N	GLU	1335	71.508	45.663	32.254	1.00	23.82
ATOM	4825	CA	GLU	1335	70.594	44.756	31.580	1.00	25.32
ATOM	4826	CB	GLU	1335	70.360	45.267	30.171	1.00	25.53
ATOM	4827	CG	GLU	1335	69.381	44.477	29.366	1.00	29.41
ATOM	4828	CD	GLU	1335	69.322	44.957	27.934	1.00	38.03
ATOM	4829	OE1	GLU	1335	69.186	44.090	27.043	1.00	42.46
ATOM	4830	OE2	GLU	1335	69.424	46.192	27.699	1.00	36.41
ATOM	4831	C	GLU	1335	71.178	43.353	31.513	1.00	25.11
ATOM	4832	O	GLU	1335	70.540	42.371	31.899	1.00	26.60
ATOM	4833	N	VAL	1336	72.414	43.284	31.046	1.00	23.82
ATOM	4834	CA	VAL	1336	73.109	42.031	30.881	1.00	21.29
ATOM	4835	CB	VAL	1336	74.304	42.203	29.918	1.00	21.41

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FIG. 1A-83

ATOM	4836	CG1	VAL	1336	75.046	40.888	29.741	1.00	21.41
ATOM	4837	CG2	VAL	1336	73.801	42.698	28.565	1.00	21.02
ATOM	4838	C	VAL	1336	73.550	41.416	32.199	1.00	20.70
ATOM	4839	O	VAL	1336	73.153	40.306	32.520	1.00	22.89
ATOM	4840	N	LEU	1337	74.327	42.140	32.989	1.00	19.08
ATOM	4841	CA	LEU	1337	74.808	41.580	34.246	1.00	17.04
ATOM	4842	CB	LEU	1337	76.270	41.989	34.471	1.00	12.90
ATOM	4843	CG	LEU	1337	77.161	41.754	33.233	1.00	8.37
ATOM	4844	CD1	LEU	1337	78.560	42.206	33.495	1.00	11.26
ATOM	4845	CD2	LEU	1337	77.158	40.305	32.807	1.00	6.79
ATOM	4846	C	LEU	1337	73.925	41.823	35.480	1.00	17.70
ATOM	4847	O	LEU	1337	74.249	41.372	36.587	1.00	16.95
ATOM	4848	N	ALA	1338	72.804	42.518	35.280	1.00	17.48
ATOM	4849	CA	ALA	1338	71.831	42.798	36.346	1.00	16.50
ATOM	4850	CB	ALA	1338	71.220	41.501	36.841	1.00	14.26
ATOM	4851	C	ALA	1338	72.385	43.597	37.522	1.00	16.49
ATOM	4852	O	ALA	1338	71.763	43.684	38.586	1.00	15.31
ATOM	4853	N	CYS	1339	73.511	44.252	37.287	1.00	16.65
ATOM	4854	CA	CYS	1339	74.177	45.015	38.317	1.00	15.82
ATOM	4855	CB	CYS	1339	75.476	44.302	38.685	1.00	15.47
ATOM	4856	SG	CYS	1339	76.455	45.090	39.958	1.00	28.64
ATOM	4857	C	CYS	1339	74.450	46.448	37.874	1.00	14.06
ATOM	4858	O	CYS	1339	74.604	46.729	36.680	1.00	15.04
ATOM	4859	N	GLY	1340	74.481	47.352	38.843	1.00	11.34
ATOM	4860	CA	GLY	1340	74.737	48.749	38.558	1.00	10.79
ATOM	4861	C	GLY	1340	74.000	49.565	39.591	1.00	11.07
ATOM	4862	O	GLY	1340	73.620	49.021	40.632	1.00	10.32
ATOM	4863	N	ARG	1341	73.787	50.852	39.322	1.00	10.55
ATOM	4864	CA	ARG	1341	73.054	51.690	40.261	1.00	9.89
ATOM	4865	CB	ARG	1341	73.904	51.970	41.499	1.00	9.18
ATOM	4866	CG	ARG	1341	73.133	52.654	42.605	1.00	10.84
ATOM	4867	CD	ARG	1341	73.922	52.777	43.883	1.00	12.53
ATOM	4868	NE	ARG	1341	73.047	53.124	44.997	1.00	9.59
ATOM	4869	CZ	ARG	1341	73.471	53.550	46.177	1.00	6.38
ATOM	4870	NH1	ARG	1341	74.766	53.690	46.412	1.00	3.80
ATOM	4871	NH2	ARG	1341	72.593	53.820	47.128	1.00	3.16
ATOM	4872	C	ARG	1341	72.579	53.009	39.660	1.00	10.77
ATOM	4873	O	ARG	1341	73.217	53.550	38.753	1.00	11.78
ATOM	4874	N	PRO	1342	71.383	53.481	40.069	1.00	10.84
ATOM	4875	CD	PRO	1342	70.343	52.728	40.802	1.00	9.90
ATOM	4876	CA	PRO	1342	70.840	54.746	39.568	1.00	10.04
ATOM	4877	CB	PRO	1342	69.528	54.864	40.334	1.00	11.35
ATOM	4878	CG	PRO	1342	69.078	53.444	40.408	1.00	8.27
ATOM	4879	C	PRO	1342	71.822	55.876	39.908	1.00	12.01
ATOM	4880	O	PRO	1342	72.144	56.118	41.080	1.00	14.18
ATOM	4881	N	GLN	1343	72.267	56.583	38.877	1.00	12.98
ATOM	4882	CA	GLN	1343	73.258	57.645	39.005	1.00	13.22
ATOM	4883	CB	GLN	1343	73.562	58.248	37.630	1.00	11.87
ATOM	4884	CG	GLN	1343	74.898	58.969	37.559	1.00	15.91
ATOM	4885	CD	GLN	1343	76.076	58.115	38.015	1.00	20.74
ATOM	4886	OE1	GLN	1343	75.935	56.919	38.293	1.00	23.33
ATOM	4887	NE2	GLN	1343	77.247	58.730	38.090	1.00	21.84
ATOM	4888	C	GLN	1343	73.132	58.742	40.060	1.00	14.18
ATOM	4889	O	GLN	1343	74.038	58.911	40.867	1.00	16.74
ATOM	4890	N	ALA	1344	72.052	59.512	40.064	1.00	14.34
ATOM	4891	CA	ALA	1344	71.940	60.572	41.062	1.00	14.79
ATOM	4892	CB	ALA	1344	70.638	61.304	40.927	1.00	14.45
ATOM	4893	C	ALA	1344	72.086	60.012	42.466	1.00	15.98
ATOM	4894	O	ALA	1344	72.612	60.685	43.351	1.00	18.86

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed : October 2, 2000
 For : MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 84/118

FIG. 1A-84

ATOM	4895	N	THR	1345	71.632	58.775	42.664	1.00	17.15
ATOM	4896	CA	THR	1345	71.724	58.118	43.965	1.00	17.05
ATOM	4897	CB	THR	1345	70.834	56.859	44.039	1.00	15.53
ATOM	4898	OG1	THR	1345	69.452	57.234	43.996	1.00	13.75
ATOM	4899	CG2	THR	1345	71.101	56.095	45.329	1.00	12.86
ATOM	4900	C	THR	1345	73.168	57.734	44.284	1.00	17.66
ATOM	4901	O	THR	1345	73.638	57.958	45.402	1.00	18.39
ATOM	4902	N	ALA	1346	73.861	57.151	43.304	1.00	16.69
ATOM	4903	CA	ALA	1346	75.257	56.738	43.478	1.00	14.38
ATOM	4904	CB	ALA	1346	75.737	55.973	42.253	1.00	11.74
ATOM	4905	C	ALA	1346	76.139	57.959	43.716	1.00	13.89
ATOM	4906	O	ALA	1346	77.034	57.947	44.562	1.00	15.03
ATOM	4907	N	VAL	1347	75.858	59.022	42.977	1.00	13.19
ATOM	4908	CA	VAL	1347	76.610	60.255	43.098	1.00	13.37
ATOM	4909	CB	VAL	1347	76.216	61.260	41.994	1.00	10.97
ATOM	4910	CG1	VAL	1347	76.915	62.601	42.199	1.00	7.46
ATOM	4911	CG2	VAL	1347	76.578	60.679	40.638	1.00	7.82
ATOM	4912	C	VAL	1347	76.419	60.852	44.488	1.00	15.39
ATOM	4913	O	VAL	1347	77.404	61.225	45.133	1.00	18.76
ATOM	4914	N	TYR	1348	75.179	60.893	44.979	1.00	15.23
ATOM	4915	CA	TYR	1348	74.927	61.441	46.311	1.00	15.80
ATOM	4916	CB	TYR	1348	73.428	61.571	46.601	1.00	11.70
ATOM	4917	CG	TYR	1348	73.169	62.031	48.018	1.00	11.19
ATOM	4918	CD1	TYR	1348	73.374	63.354	48.383	1.00	13.82
ATOM	4919	CE1	TYR	1348	73.219	63.775	49.704	1.00	12.58
ATOM	4920	CD2	TYR	1348	72.792	61.132	49.014	1.00	13.36
ATOM	4921	CE2	TYR	1348	72.633	61.545	50.341	1.00	11.68
ATOM	4922	CZ	TYR	1348	72.850	62.872	50.672	1.00	12.94
ATOM	4923	OH	TYR	1348	72.686	63.308	51.965	1.00	18.66
ATOM	4924	C	TYR	1348	75.580	60.593	47.409	1.00	17.42
ATOM	4925	O	TYR	1348	76.324	61.106	48.259	1.00	16.32
ATOM	4926	N	LYS	1349	75.312	59.291	47.369	1.00	18.79
ATOM	4927	CA	LYS	1349	75.838	58.352	48.357	1.00	20.46
ATOM	4928	CB	LYS	1349	75.219	56.968	48.145	1.00	19.89
ATOM	4929	CG	LYS	1349	73.738	56.904	48.472	1.00	23.35
ATOM	4930	CD	LYS	1349	73.490	57.148	49.949	1.00	28.79
ATOM	4931	CE	LYS	1349	72.043	56.872	50.314	1.00	36.89
ATOM	4932	NZ	LYS	1349	71.678	55.439	50.063	1.00	44.76
ATOM	4933	C	LYS	1349	77.367	58.247	48.435	1.00	20.13
ATOM	4934	O	LYS	1349	77.944	58.367	49.517	1.00	18.39
ATOM	4935	N	VAL	1350	78.024	58.022	47.302	1.00	20.35
ATOM	4936	CA	VAL	1350	79.473	57.903	47.312	1.00	22.48
ATOM	4937	CB	VAL	1350	80.027	57.357	45.980	1.00	20.88
ATOM	4938	CG1	VAL	1350	81.521	57.142	46.088	1.00	21.08
ATOM	4939	CG2	VAL	1350	79.369	56.049	45.642	1.00	19.89
ATOM	4940	C	VAL	1350	80.168	59.215	47.682	1.00	24.15
ATOM	4941	O	VAL	1350	81.035	59.227	48.561	1.00	24.28
ATOM	4942	N	SER	1351	79.766	60.323	47.062	1.00	25.26
ATOM	4943	CA	SER	1351	80.395	61.608	47.360	1.00	23.83
ATOM	4944	CB	SER	1351	79.819	62.711	46.468	1.00	21.66
ATOM	4945	OG	SER	1351	78.474	62.989	46.807	1.00	28.89
ATOM	4946	C	SER	1351	80.285	61.967	48.851	1.00	24.46
ATOM	4947	O	SER	1351	81.282	62.319	49.483	1.00	25.39
ATOM	4948	N	GLU	1352	79.094	61.807	49.422	1.00	24.65
ATOM	4949	CA	GLU	1352	78.857	62.093	50.836	1.00	23.20
ATOM	4950	CB	GLU	1352	77.455	61.619	51.209	1.00	25.97
ATOM	4951	CG	GLU	1352	76.866	62.256	52.452	1.00	34.13
ATOM	4952	CD	GLU	1352	77.649	61.943	53.704	1.00	42.02
ATOM	4953	OE1	GLU	1352	77.762	60.747	54.050	1.00	48.38

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 October 2, 2000
 : MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 85/118

FIG. 1A-85

ATOM	4954	OE2	GLU	1352	78.171	62.892	54.332	1.00	44.72
ATOM	4955	C	GLU	1352	79.899	61.407	51.731	1.00	22.30
ATOM	4956	O	GLU	1352	80.380	61.989	52.704	1.00	20.98
ATOM	4957	N	TYR	1353	80.249	60.173	51.387	1.00	22.48
ATOM	4958	CA	TYR	1353	81.228	59.396	52.145	1.00	24.18
ATOM	4959	CB	TYR	1353	81.048	57.902	51.846	1.00	22.91
ATOM	4960	CG	TYR	1353	82.042	56.985	52.531	1.00	24.38
ATOM	4961	CD1	TYR	1353	81.967	56.739	53.904	1.00	24.43
ATOM	4962	CE1	TYR	1353	82.863	55.872	54.537	1.00	20.67
ATOM	4963	CD2	TYR	1353	83.043	56.342	51.805	1.00	25.32
ATOM	4964	CE2	TYR	1353	83.945	55.475	52.432	1.00	24.34
ATOM	4965	CZ	TYR	1353	83.848	55.245	53.795	1.00	22.43
ATOM	4966	OH	TYR	1353	84.732	54.388	54.416	1.00	27.27
ATOM	4967	C	TYR	1353	82.666	59.806	51.821	1.00	26.03
ATOM	4968	O	TYR	1353	83.472	60.082	52.714	1.00	27.29
ATOM	4969	N	ALA	1354	82.979	59.822	50.531	1.00	26.11
ATOM	4970	CA	ALA	1354	84.309	60.156	50.046	1.00	22.63
ATOM	4971	CB	ALA	1354	84.326	60.152	48.524	1.00	19.88
ATOM	4972	C	ALA	1354	84.797	61.486	50.564	1.00	21.85
ATOM	4973	O	ALA	1354	85.963	61.622	50.921	1.00	22.98
ATOM	4974	N	ARG	1355	83.903	62.463	50.632	1.00	22.11
ATOM	4975	CA	ARG	1355	84.282	63.791	51.091	1.00	22.54
ATOM	4976	CB	ARG	1355	83.086	64.747	51.088	1.00	22.76
ATOM	4977	CG	ARG	1355	82.002	64.399	52.084	1.00	26.76
ATOM	4978	CD	ARG	1355	80.976	65.498	52.193	1.00	26.94
ATOM	4979	NE	ARG	1355	79.997	65.202	53.231	1.00	29.46
ATOM	4980	CZ	ARG	1355	79.579	66.082	54.135	1.00	29.32
ATOM	4981	NH1	ARG	1355	80.057	67.325	54.130	1.00	29.47
ATOM	4982	NH2	ARG	1355	78.692	65.716	55.050	1.00	25.26
ATOM	4983	C	ARG	1355	84.900	63.726	52.473	1.00	23.92
ATOM	4984	O	ARG	1355	85.777	64.520	52.799	1.00	25.40
ATOM	4985	N	ARG	1356	84.488	62.741	53.262	1.00	24.35
ATOM	4986	CA	ARG	1356	85.020	62.575	54.610	1.00	25.43
ATOM	4987	CB	ARG	1356	84.189	61.540	55.386	1.00	26.45
ATOM	4988	CG	ARG	1356	82.714	61.888	55.487	1.00	33.21
ATOM	4989	CD	ARG	1356	81.948	60.892	56.336	1.00	37.91
ATOM	4990	NE	ARG	1356	80.540	61.270	56.459	1.00	44.13
ATOM	4991	CZ	ARG	1356	80.064	62.180	57.311	1.00	50.10
ATOM	4992	NH1	ARG	1356	80.876	62.829	58.142	1.00	50.72
ATOM	4993	NH2	ARG	1356	78.765	62.456	57.327	1.00	51.78
ATOM	4994	C	ARG	1356	86.505	62.167	54.580	1.00	24.79
ATOM	4995	O	ARG	1356	87.144	62.017	55.626	1.00	28.39
ATOM	4996	N	PHE	1357	87.053	62.006	53.380	1.00	20.35
ATOM	4997	CA	PHE	1357	88.440	61.617	53.214	1.00	19.19
ATOM	4998	CB	PHE	1357	88.495	60.141	52.842	1.00	18.36
ATOM	4999	CG	PHE	1357	87.699	59.288	53.765	1.00	19.85
ATOM	5000	CD1	PHE	1357	88.239	58.871	54.978	1.00	21.81
ATOM	5001	CD2	PHE	1357	86.367	59.018	53.499	1.00	19.20
ATOM	5002	CE1	PHE	1357	87.456	58.211	55.919	1.00	18.86
ATOM	5003	CE2	PHE	1357	85.583	58.362	54.432	1.00	20.85
ATOM	5004	CZ	PHE	1357	86.129	57.960	55.646	1.00	18.81
ATOM	5005	C	PHE	1357	89.113	62.473	52.158	1.00	20.97
ATOM	5006	O	PHE	1357	90.140	62.092	51.590	1.00	22.54
ATOM	5007	N	GLY	1358	88.509	63.626	51.884	1.00	20.40
ATOM	5008	CA	GLY	1358	89.043	64.549	50.899	1.00	17.74
ATOM	5009	C	GLY	1358	89.167	63.989	49.498	1.00	17.67
ATOM	5010	O	GLY	1358	89.860	64.575	48.660	1.00	19.43
ATOM	5011	N	VAL	1359	88.485	62.883	49.221	1.00	15.95
ATOM	5012	CA	VAL	1359	88.562	62.270	47.902	1.00	15.11

APPROVED	O G. FIG.	
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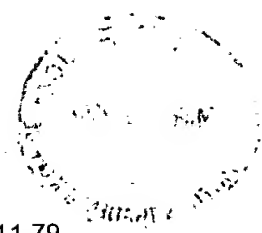


FIG. 1A-86

ATOM	5013	CB	VAL	1359	88.490	60.742	47.991	1.00	11.79
ATOM	5014	CG1	VAL	1359	88.597	60.139	46.612	1.00	12.33
ATOM	5015	CG2	VAL	1359	89.604	60.219	48.871	1.00	13.37
ATOM	5016	C	VAL	1359	87.455	62.766	46.976	1.00	15.32
ATOM	5017	O	VAL	1359	86.276	62.506	47.213	1.00	16.23
ATOM	5018	N	PRO	1360	87.823	63.527	45.933	1.00	15.11
ATOM	5019	CD	PRO	1360	89.158	64.109	45.719	1.00	14.19
ATOM	5020	CA	PRO	1360	86.871	64.067	44.960	1.00	15.11
ATOM	5021	CB	PRO	1360	87.766	64.902	44.047	1.00	15.19
ATOM	5022	CG	PRO	1360	88.832	65.371	44.977	1.00	12.72
ATOM	5023	C	PRO	1360	86.138	62.962	44.195	1.00	14.73
ATOM	5024	O	PRO	1360	86.675	61.875	43.995	1.00	15.41
ATOM	5025	N	VAL	1361	84.919	63.262	43.756	1.00	14.39
ATOM	5026	CA	VAL	1361	84.074	62.311	43.048	1.00	13.41
ATOM	5027	CB	VAL	1361	82.783	62.027	43.881	1.00	12.70
ATOM	5028	CG1	VAL	1361	81.633	61.550	43.000	1.00	11.96
ATOM	5029	CG2	VAL	1361	83.084	60.991	44.951	1.00	11.77
ATOM	5030	C	VAL	1361	83.703	62.786	41.647	1.00	13.98
ATOM	5031	O	VAL	1361	83.104	63.845	41.483	1.00	14.14
ATOM	5032	N	ILE	1362	84.069	61.991	40.647	1.00	15.72
ATOM	5033	CA	ILE	1362	83.770	62.280	39.244	1.00	17.31
ATOM	5034	CB	ILE	1362	84.853	61.691	38.273	1.00	15.17
ATOM	5035	CG2	ILE	1362	84.462	61.952	36.822	1.00	7.15
ATOM	5036	CG1	ILE	1362	86.246	62.259	38.587	1.00	15.08
ATOM	5037	CD1	ILE	1362	87.343	61.761	37.659	1.00	5.33
ATOM	5038	C	ILE	1362	82.452	61.584	38.917	1.00	19.48
ATOM	5039	O	ILE	1362	82.396	60.348	38.906	1.00	20.54
ATOM	5040	N	ALA	1363	81.393	62.363	38.685	1.00	19.94
ATOM	5041	CA	ALA	1363	80.082	61.807	38.337	1.00	18.31
ATOM	5042	CB	ALA	1363	78.996	62.841	38.555	1.00	17.29
ATOM	5043	C	ALA	1363	80.158	61.387	36.869	1.00	18.95
ATOM	5044	O	ALA	1363	80.061	62.218	35.961	1.00	17.38
ATOM	5045	N	ASP	1364	80.309	60.083	36.656	1.00	21.34
ATOM	5046	CA	ASP	1364	80.484	59.502	35.327	1.00	22.87
ATOM	5047	CB	ASP	1364	81.804	58.715	35.345	1.00	22.78
ATOM	5048	CG	ASP	1364	82.068	57.973	34.065	1.00	19.89
ATOM	5049	OD1	ASP	1364	81.786	58.524	32.990	1.00	18.84
ATOM	5050	OD2	ASP	1364	82.571	56.838	34.139	1.00	22.02
ATOM	5051	C	ASP	1364	79.354	58.638	34.739	1.00	22.91
ATOM	5052	O	ASP	1364	79.172	57.479	35.123	1.00	22.90
ATOM	5053	N	GLY	1365	78.675	59.179	33.731	1.00	22.55
ATOM	5054	CA	GLY	1365	77.601	58.453	33.081	1.00	22.28
ATOM	5055	C	GLY	1365	76.211	59.013	33.325	1.00	22.48
ATOM	5056	O	GLY	1365	75.886	59.417	34.439	1.00	22.82
ATOM	5057	N	GLY	1366	75.398	59.047	32.272	1.00	23.81
ATOM	5058	CA	GLY	1366	74.037	59.540	32.383	1.00	25.79
ATOM	5059	C	GLY	1366	73.820	61.032	32.203	1.00	27.55
ATOM	5060	O	GLY	1366	72.827	61.578	32.678	1.00	30.08
ATOM	5061	N	ILE	1367	74.742	61.711	31.536	1.00	29.05
ATOM	5062	CA	ILE	1367	74.600	63.139	31.305	1.00	28.73
ATOM	5063	CB	ILE	1367	75.948	63.897	31.486	1.00	29.81
ATOM	5064	CG2	ILE	1367	75.757	65.397	31.255	1.00	29.11
ATOM	5065	CG1	ILE	1367	76.546	63.631	32.873	1.00	28.67
ATOM	5066	CD1	ILE	1367	75.734	64.175	34.022	1.00	28.35
ATOM	5067	C	ILE	1367	74.138	63.310	29.862	1.00	30.48
ATOM	5068	O	ILE	1367	74.561	62.565	28.969	1.00	31.42
ATOM	5069	N	GLN	1368	73.237	64.261	29.645	1.00	31.28
ATOM	5070	CA	GLN	1368	72.734	64.561	28.308	1.00	33.21
ATOM	5071	CB	GLN	1368	71.673	63.558	27.850	1.00	38.74

APPROVED	O.G. FIG.	
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FIG. 1A-87

ATOM	5072	CG	GLN	1368	72.188	62.559	26.791	1.00	47.07
ATOM	5073	CD	GLN	1368	72.526	63.203	25.434	1.00	49.78
ATOM	5074	OE1	GLN	1368	71.694	63.239	24.523	1.00	51.57
ATOM	5075	NE2	GLN	1368	73.759	63.666	25.287	1.00	49.82
ATOM	5076	C	GLN	1368	72.217	65.984	28.212	1.00	31.65
ATOM	5077	O	GLN	1368	71.541	66.347	27.258	1.00	33.54
ATOM	5078	N	ASN	1369	72.551	66.786	29.213	1.00	28.87
ATOM	5079	CA	ASN	1369	72.176	68.185	29.253	1.00	27.68
ATOM	5080	CB	ASN	1369	70.650	68.398	29.193	1.00	26.97
ATOM	5081	CG	ASN	1369	69.903	67.728	30.324	1.00	26.85
ATOM	5082	OD1	ASN	1369	70.263	67.852	31.496	1.00	26.95
ATOM	5083	ND2	ASN	1369	68.829	67.037	29.978	1.00	28.12
ATOM	5084	C	ASN	1369	72.782	68.803	30.494	1.00	27.65
ATOM	5085	O	ASN	1369	73.240	68.082	31.396	1.00	27.37
ATOM	5086	N	VAL	1370	72.844	70.133	30.497	1.00	26.63
ATOM	5087	CA	VAL	1370	73.404	70.901	31.601	1.00	23.97
ATOM	5088	CB	VAL	1370	73.319	72.421	31.311	1.00	25.11
ATOM	5089	CG1	VAL	1370	73.858	73.222	32.487	1.00	25.59
ATOM	5090	CG2	VAL	1370	74.089	72.758	30.038	1.00	18.81
ATOM	5091	C	VAL	1370	72.684	70.569	32.902	1.00	22.46
ATOM	5092	O	VAL	1370	73.298	70.540	33.967	1.00	21.96
ATOM	5093	N	GLY	1371	71.389	70.285	32.799	1.00	22.70
ATOM	5094	CA	GLY	1371	70.599	69.939	33.968	1.00	20.55
ATOM	5095	C	GLY	1371	71.251	68.798	34.714	1.00	19.42
ATOM	5096	O	GLY	1371	71.468	68.881	35.914	1.00	20.90
ATOM	5097	N	HIS	1372	71.613	67.746	33.993	1.00	18.46
ATOM	5098	CA	HIS	1372	72.260	66.596	34.600	1.00	17.54
ATOM	5099	CB	HIS	1372	72.555	65.532	33.538	1.00	19.84
ATOM	5100	CG	HIS	1372	71.327	64.935	32.917	1.00	19.86
ATOM	5101	CD2	HIS	1372	71.148	64.297	31.733	1.00	16.94
ATOM	5102	ND1	HIS	1372	70.099	64.914	33.540	1.00	20.56
ATOM	5103	CE1	HIS	1372	69.222	64.291	32.779	1.00	18.07
ATOM	5104	NE2	HIS	1372	69.841	63.907	31.674	1.00	18.04
ATOM	5105	C	HIS	1372	73.556	67.024	35.287	1.00	16.89
ATOM	5106	O	HIS	1372	73.819	66.642	36.425	1.00	16.89
ATOM	5107	N	ILE	1373	74.337	67.860	34.610	1.00	17.42
ATOM	5108	CA	ILE	1373	75.606	68.341	35.154	1.00	15.96
ATOM	5109	CB	ILE	1373	76.362	69.204	34.134	1.00	15.20
ATOM	5110	CG2	ILE	1373	77.651	69.733	34.748	1.00	17.65
ATOM	5111	CG1	ILE	1373	76.666	68.381	32.880	1.00	9.89
ATOM	5112	CD1	ILE	1373	77.325	69.185	31.795	1.00	8.53
ATOM	5113	C	ILE	1373	75.433	69.121	36.456	1.00	15.25
ATOM	5114	O	ILE	1373	76.138	68.863	37.430	1.00	16.51
ATOM	5115	N	ALA	1374	74.498	70.065	36.477	1.00	14.86
ATOM	5116	CA	ALA	1374	74.235	70.854	37.679	1.00	14.25
ATOM	5117	CB	ALA	1374	73.204	71.923	37.394	1.00	11.74
ATOM	5118	C	ALA	1374	73.758	69.963	38.823	1.00	15.36
ATOM	5119	O	ALA	1374	74.166	70.146	39.967	1.00	16.74
ATOM	5120	N	LYS	1375	72.923	68.977	38.506	1.00	16.36
ATOM	5121	CA	LYS	1375	72.390	68.063	39.515	1.00	16.18
ATOM	5122	CB	LYS	1375	71.293	67.177	38.921	1.00	16.44
ATOM	5123	CG	LYS	1375	70.020	67.950	38.597	1.00	16.99
ATOM	5124	CD	LYS	1375	68.973	67.103	37.894	1.00	17.81
ATOM	5125	CE	LYS	1375	67.701	67.914	37.671	1.00	18.59
ATOM	5126	NZ	LYS	1375	66.576	67.092	37.162	1.00	16.68
ATOM	5127	C	LYS	1375	73.484	67.219	40.137	1.00	15.85
ATOM	5128	O	LYS	1375	73.546	67.080	41.359	1.00	16.57
ATOM	5129	N	ALA	1376	74.357	66.672	39.300	1.00	14.84
ATOM	5130	CA	ALA	1376	75.468	65.867	39.786	1.00	13.60

APPROVED	O. G. FIG.	
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Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
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 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 88/118

FIG. 1A-88

ATOM	5131	CB	ALA	1376	76.314	65.398	38.633	1.00	11.96
ATOM	5132	C	ALA	1376	76.309	66.714	40.732	1.00	14.60
ATOM	5133	O	ALA	1376	76.601	66.300	41.849	1.00	17.56
ATOM	5134	N	LEU	1377	76.661	67.918	40.295	1.00	13.87
ATOM	5135	CA	LEU	1377	77.466	68.829	41.100	1.00	14.63
ATOM	5136	CB	LEU	1377	77.741	70.126	40.322	1.00	14.18
ATOM	5137	CG	LEU	1377	78.412	70.033	38.945	1.00	11.92
ATOM	5138	CD1	LEU	1377	78.385	71.376	38.281	1.00	11.93
ATOM	5139	CD2	LEU	1377	79.831	69.521	39.049	1.00	10.66
ATOM	5140	C	LEU	1377	76.728	69.155	42.394	1.00	15.88
ATOM	5141	O	LEU	1377	77.289	69.070	43.482	1.00	16.02
ATOM	5142	N	ALA	1378	75.442	69.460	42.266	1.00	18.34
ATOM	5143	CA	ALA	1378	74.606	69.813	43.406	1.00	18.74
ATOM	5144	CB	ALA	1378	73.235	70.252	42.931	1.00	18.93
ATOM	5145	C	ALA	1378	74.474	68.688	44.414	1.00	20.05
ATOM	5146	O	ALA	1378	74.233	68.927	45.600	1.00	23.62
ATOM	5147	N	LEU	1379	74.631	67.456	43.957	1.00	19.27
ATOM	5148	CA	LEU	1379	74.514	66.330	44.862	1.00	17.31
ATOM	5149	CB	LEU	1379	73.839	65.160	44.158	1.00	14.86
ATOM	5150	CG	LEU	1379	72.367	65.373	43.794	1.00	11.16
ATOM	5151	CD1	LEU	1379	71.828	64.139	43.131	1.00	13.25
ATOM	5152	CD2	LEU	1379	71.563	65.666	45.038	1.00	12.87
ATOM	5153	C	LEU	1379	75.820	65.902	45.530	1.00	19.22
ATOM	5154	O	LEU	1379	75.799	65.039	46.406	1.00	22.97
ATOM	5155	N	GLY	1380	76.951	66.490	45.137	1.00	18.29
ATOM	5156	CA	GLY	1380	78.210	66.122	45.773	1.00	18.10
ATOM	5157	C	GLY	1380	79.440	65.888	44.907	1.00	17.70
ATOM	5158	O	GLY	1380	80.567	66.032	45.380	1.00	14.69
ATOM	5159	N	ALA	1381	79.240	65.501	43.653	1.00	18.38
ATOM	5160	CA	ALA	1381	80.359	65.247	42.753	1.00	18.79
ATOM	5161	CB	ALA	1381	79.849	64.746	41.422	1.00	17.88
ATOM	5162	C	ALA	1381	81.179	66.507	42.545	1.00	19.77
ATOM	5163	O	ALA	1381	80.628	67.601	42.532	1.00	22.90
ATOM	5164	N	SER	1382	82.492	66.358	42.400	1.00	20.02
ATOM	5165	CA	SER	1382	83.367	67.507	42.160	1.00	20.59
ATOM	5166	CB	SER	1382	84.749	67.266	42.768	1.00	18.13
ATOM	5167	OG	SER	1382	84.652	67.191	44.180	1.00	15.75
ATOM	5168	C	SER	1382	83.475	67.871	40.668	1.00	20.80
ATOM	5169	O	SER	1382	83.501	69.054	40.304	1.00	21.81
ATOM	5170	N	THR	1383	83.535	66.856	39.813	1.00	17.88
ATOM	5171	CA	THR	1383	83.621	67.065	38.377	1.00	17.53
ATOM	5172	CB	THR	1383	85.075	66.831	37.818	1.00	17.61
ATOM	5173	OG1	THR	1383	85.611	65.603	38.328	1.00	20.84
ATOM	5174	CG2	THR	1383	86.013	67.982	38.180	1.00	8.94
ATOM	5175	C	THR	1383	82.639	66.100	37.719	1.00	17.87
ATOM	5176	O	THR	1383	82.062	65.243	38.388	1.00	18.28
ATOM	5177	N	VAL	1384	82.457	66.225	36.411	1.00	17.76
ATOM	5178	CA	VAL	1384	81.531	65.370	35.689	1.00	18.85
ATOM	5179	CB	VAL	1384	80.239	66.138	35.325	1.00	20.09
ATOM	5180	CG1	VAL	1384	79.243	65.206	34.650	1.00	22.58
ATOM	5181	CG2	VAL	1384	79.618	66.748	36.576	1.00	19.94
ATOM	5182	C	VAL	1384	82.211	64.888	34.417	1.00	19.13
ATOM	5183	O	VAL	1384	82.887	65.665	33.747	1.00	19.52
ATOM	5184	N	MET	1385	82.044	63.606	34.104	1.00	19.13
ATOM	5185	CA	MET	1385	82.645	62.997	32.915	1.00	18.23
ATOM	5186	CB	MET	1385	83.345	61.688	33.284	1.00	17.04
ATOM	5187	CG	MET	1385	84.081	61.051	32.136	1.00	13.46
ATOM	5188	SD	MET	1385	84.923	59.571	32.655	1.00	19.09
ATOM	5189	CE	MET	1385	86.456	60.251	33.317	1.00	21.08

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 89/118

FIG. 1A-89

ATOM	5190	C	MET	1385	81.578	62.719	31.868	1.00	17.99
ATOM	5191	O	MET	1385	80.519	62.179	32.182	1.00	19.60
ATOM	5192	N	MET	1386	81.875	63.037	30.615	1.00	18.35
ATOM	5193	CA	MET	1386	80.910	62.837	29.541	1.00	16.61
ATOM	5194	CB	MET	1386	80.431	64.190	29.027	1.00	14.36
ATOM	5195	CG	MET	1386	79.810	65.051	30.087	1.00	12.38
ATOM	5196	SD	MET	1386	79.667	66.733	29.547	1.00	18.87
ATOM	5197	CE	MET	1386	81.312	67.356	29.974	1.00	17.73
ATOM	5198	C	MET	1386	81.441	62.023	28.376	1.00	15.70
ATOM	5199	O	MET	1386	82.617	62.092	28.044	1.00	11.01
ATOM	5200	N	GLY	1387	80.561	61.212	27.806	1.00	19.29
ATOM	5201	CA	GLY	1387	80.901	60.398	26.659	1.00	23.41
ATOM	5202	C	GLY	1387	80.052	60.931	25.523	1.00	26.99
ATOM	5203	O	GLY	1387	80.526	61.715	24.698	1.00	29.23
ATOM	5204	N	SER	1388	78.761	60.624	25.566	1.00	28.65
ATOM	5205	CA	SER	1388	77.815	61.065	24.545	1.00	31.48
ATOM	5206	CB	SER	1388	76.399	60.589	24.898	1.00	35.04
ATOM	5207	OG	SER	1388	75.483	60.905	23.859	1.00	41.86
ATOM	5208	C	SER	1388	77.803	62.578	24.284	1.00	31.07
ATOM	5209	O	SER	1388	77.956	63.008	23.142	1.00	31.04
ATOM	5210	N	LEU	1389	77.646	63.379	25.336	1.00	30.90
ATOM	5211	CA	LEU	1389	77.599	64.835	25.204	1.00	29.63
ATOM	5212	CB	LEU	1389	77.516	65.514	26.574	1.00	27.98
ATOM	5213	CG	LEU	1389	76.164	66.067	27.033	1.00	28.79
ATOM	5214	CD1	LEU	1389	76.373	67.062	28.167	1.00	26.81
ATOM	5215	CD2	LEU	1389	75.460	66.758	25.889	1.00	28.61
ATOM	5216	C	LEU	1389	78.762	65.450	24.438	1.00	30.59
ATOM	5217	O	LEU	1389	78.662	66.588	23.989	1.00	33.45
ATOM	5218	N	LEU	1390	79.866	64.723	24.304	1.00	28.48
ATOM	5219	CA	LEU	1390	81.030	65.247	23.601	1.00	26.24
ATOM	5220	CB	LEU	1390	82.189	65.398	24.585	1.00	23.55
ATOM	5221	CG	LEU	1390	81.834	66.123	25.890	1.00	23.78
ATOM	5222	CD1	LEU	1390	82.978	66.032	26.883	1.00	24.77
ATOM	5223	CD2	LEU	1390	81.467	67.578	25.614	1.00	20.41
ATOM	5224	C	LEU	1390	81.427	64.325	22.456	1.00	27.34
ATOM	5225	O	LEU	1390	82.375	64.599	21.727	1.00	26.38
ATOM	5226	N	ALA	1391	80.642	63.270	22.265	1.00	29.15
ATOM	5227	CA	ALA	1391	80.890	62.267	21.235	1.00	31.26
ATOM	5228	CB	ALA	1391	79.927	61.100	21.404	1.00	31.73
ATOM	5229	C	ALA	1391	80.903	62.719	19.777	1.00	32.50
ATOM	5230	O	ALA	1391	81.734	62.250	18.998	1.00	35.88
ATOM	5231	N	ALA	1392	79.975	63.585	19.383	1.00	30.95
ATOM	5232	CA	ALA	1392	79.932	64.034	17.990	1.00	28.80
ATOM	5233	CB	ALA	1392	78.504	64.045	17.489	1.00	28.83
ATOM	5234	C	ALA	1392	80.576	65.393	17.754	1.00	27.78
ATOM	5235	O	ALA	1392	80.169	66.121	16.849	1.00	28.88
ATOM	5236	N	THR	1393	81.551	65.757	18.579	1.00	26.43
ATOM	5237	CA	THR	1393	82.217	67.042	18.418	1.00	23.76
ATOM	5238	CB	THR	1393	82.798	67.557	19.742	1.00	19.29
ATOM	5239	OG1	THR	1393	83.646	66.563	20.316	1.00	20.30
ATOM	5240	CG2	THR	1393	81.684	67.894	20.719	1.00	15.86
ATOM	5241	C	THR	1393	83.323	66.910	17.373	1.00	24.72
ATOM	5242	O	THR	1393	83.803	65.807	17.109	1.00	25.78
ATOM	5243	N	THR	1394	83.735	68.032	16.795	1.00	23.33
ATOM	5244	CA	THR	1394	84.761	68.036	15.767	1.00	22.70
ATOM	5245	CB	THR	1394	85.078	69.469	15.314	1.00	22.05
ATOM	5246	OG1	THR	1394	83.898	70.271	15.392	1.00	23.20
ATOM	5247	CG2	THR	1394	85.552	69.468	13.882	1.00	23.82
ATOM	5248	C	THR	1394	86.052	67.361	16.224	1.00	23.54

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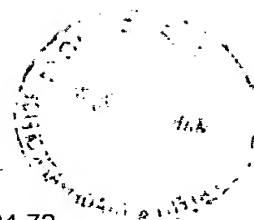


FIG. 1A-90

ATOM	5249	O	THR	1394	86.690	66.643	15.448	1.00	24.72
ATOM	5250	N	GLU	1395	86.409	67.566	17.490	1.00	22.73
ATOM	5251	CA	GLU	1395	87.634	67.007	18.059	1.00	23.52
ATOM	5252	CB	GLU	1395	88.078	67.819	19.283	1.00	25.10
ATOM	5253	CG	GLU	1395	88.494	69.254	18.995	1.00	27.32
ATOM	5254	CD	GLU	1395	87.322	70.185	18.752	1.00	31.55
ATOM	5255	OE1	GLU	1395	86.177	69.833	19.102	1.00	34.70
ATOM	5256	OE2	GLU	1395	87.547	71.287	18.216	1.00	35.64
ATOM	5257	C	GLU	1395	87.560	65.536	18.460	1.00	23.45
ATOM	5258	O	GLU	1395	88.578	64.936	18.817	1.00	26.40
ATOM	5259	N	ALA	1396	86.367	64.966	18.462	1.00	22.70
ATOM	5260	CA	ALA	1396	86.219	63.570	18.842	1.00	23.99
ATOM	5261	CB	ALA	1396	84.743	63.219	18.969	1.00	23.65
ATOM	5262	C	ALA	1396	86.880	62.703	17.779	1.00	25.22
ATOM	5263	O	ALA	1396	86.920	63.081	16.611	1.00	26.43
ATOM	5264	N	PRO	1397	87.487	61.570	18.184	1.00	25.84
ATOM	5265	CD	PRO	1397	87.743	61.103	19.555	1.00	26.36
ATOM	5266	CA	PRO	1397	88.134	60.685	17.218	1.00	26.48
ATOM	5267	CB	PRO	1397	88.672	59.565	18.102	1.00	21.83
ATOM	5268	CG	PRO	1397	88.969	60.251	19.370	1.00	22.65
ATOM	5269	C	PRO	1397	87.080	60.149	16.261	1.00	31.18
ATOM	5270	O	PRO	1397	85.947	59.901	16.667	1.00	31.61
ATOM	5271	N	GLY	1398	87.435	60.013	14.988	1.00	34.68
ATOM	5272	CA	GLY	1398	86.490	59.487	14.023	1.00	38.08
ATOM	5273	C	GLY	1398	86.157	60.474	12.931	1.00	41.29
ATOM	5274	O	GLY	1398	86.563	61.635	12.975	1.00	43.61
ATOM	5275	N	GLU	1399	85.442	60.001	11.922	1.00	42.43
ATOM	5276	CA	GLU	1399	85.060	60.853	10.811	1.00	44.81
ATOM	5277	CB	GLU	1399	85.423	60.179	9.485	1.00	50.25
ATOM	5278	CG	GLU	1399	86.908	59.863	9.328	1.00	57.39
ATOM	5279	CD	GLU	1399	87.787	61.093	9.490	1.00	63.38
ATOM	5280	OE1	GLU	1399	87.617	62.057	8.710	1.00	64.91
ATOM	5281	OE2	GLU	1399	88.642	61.097	10.405	1.00	66.89
ATOM	5282	C	GLU	1399	83.564	61.103	10.876	1.00	44.39
ATOM	5283	O	GLU	1399	82.861	60.497	11.696	1.00	45.82
ATOM	5284	N	TYR	1400	83.081	62.012	10.038	1.00	42.99
ATOM	5285	CA	TYR	1400	81.658	62.318	9.993	1.00	42.22
ATOM	5286	CB	TYR	1400	81.424	63.815	9.838	1.00	38.80
ATOM	5287	CG	TYR	1400	81.485	64.579	11.134	1.00	38.42
ATOM	5288	CD1	TYR	1400	80.406	64.577	12.019	1.00	34.56
ATOM	5289	CE1	TYR	1400	80.451	65.302	13.202	1.00	34.48
ATOM	5290	CD2	TYR	1400	82.611	65.326	11.467	1.00	39.18
ATOM	5291	CE2	TYR	1400	82.667	66.057	12.643	1.00	37.95
ATOM	5292	CZ	TYR	1400	81.584	66.046	13.507	1.00	37.33
ATOM	5293	OH	TYR	1400	81.637	66.803	14.656	1.00	35.83
ATOM	5294	C	TYR	1400	81.010	61.592	8.828	1.00	43.85
ATOM	5295	O	TYR	1400	81.693	61.121	7.915	1.00	46.67
ATOM	5296	N	PHE	1401	79.691	61.485	8.874	1.00	42.83
ATOM	5297	CA	PHE	1401	78.946	60.838	7.815	1.00	43.05
ATOM	5298	CB	PHE	1401	79.094	59.311	7.881	1.00	45.25
ATOM	5299	CG	PHE	1401	78.640	58.695	9.177	1.00	45.71
ATOM	5300	CD1	PHE	1401	77.292	58.411	9.395	1.00	47.44
ATOM	5301	CD2	PHE	1401	79.562	58.361	10.162	1.00	44.15
ATOM	5302	CE1	PHE	1401	76.873	57.804	10.573	1.00	47.10
ATOM	5303	CE2	PHE	1401	79.155	57.754	11.345	1.00	44.90
ATOM	5304	CZ	PHE	1401	77.809	57.475	11.551	1.00	47.14
ATOM	5305	C	PHE	1401	77.496	61.250	7.920	1.00	43.47
ATOM	5306	O	PHE	1401	77.089	61.848	8.907	1.00	42.96
ATOM	5307	N	PHE	1402	76.719	60.952	6.891	1.00	43.97

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FIG. 1A-91

ATOM	5308	CA	PHE	1402	75.322	61.318	6.899	1.00	44.22
ATOM	5309	CB	PHE	1402	75.016	62.274	5.745	1.00	42.02
ATOM	5310	CG	PHE	1402	75.651	63.622	5.890	1.00	38.81
ATOM	5311	CD1	PHE	1402	77.011	63.797	5.644	1.00	39.76
ATOM	5312	CD2	PHE	1402	74.897	64.716	6.296	1.00	35.67
ATOM	5313	CE1	PHE	1402	77.614	65.049	5.806	1.00	38.11
ATOM	5314	CE2	PHE	1402	75.485	65.969	6.460	1.00	35.15
ATOM	5315	CZ	PHE	1402	76.848	66.136	6.216	1.00	36.13
ATOM	5316	C	PHE	1402	74.438	60.097	6.789	1.00	46.31
ATOM	5317	O	PHE	1402	74.732	59.177	6.035	1.00	46.36
ATOM	5318	N	SER	1403	73.380	60.072	7.583	1.00	48.81
ATOM	5319	CA	SER	1403	72.422	58.986	7.540	1.00	52.64
ATOM	5320	CB	SER	1403	72.183	58.429	8.936	1.00	54.92
ATOM	5321	OG	SER	1403	73.384	57.885	9.455	1.00	59.46
ATOM	5322	C	SER	1403	71.170	59.648	6.997	1.00	55.38
ATOM	5323	O	SER	1403	70.155	59.769	7.684	1.00	56.51
ATOM	5324	N	ASP	1404	71.302	60.146	5.769	1.00	57.77
ATOM	5325	CA	ASP	1404	70.240	60.843	5.048	1.00	58.06
ATOM	5326	CB	ASP	1404	69.000	59.958	4.873	1.00	61.87
ATOM	5327	CG	ASP	1404	68.045	60.501	3.819	1.00	67.61
ATOM	5328	OD1	ASP	1404	68.524	60.956	2.751	1.00	65.71
ATOM	5329	OD2	ASP	1404	66.816	60.469	4.060	1.00	72.76
ATOM	5330	C	ASP	1404	69.877	62.150	5.735	1.00	56.48
ATOM	5331	O	ASP	1404	68.911	62.228	6.497	1.00	55.20
ATOM	5332	N	GLY	1405	70.685	63.171	5.470	1.00	55.34
ATOM	5333	CA	GLY	1405	70.449	64.477	6.054	1.00	54.46
ATOM	5334	C	GLY	1405	71.232	64.720	7.327	1.00	53.22
ATOM	5335	O	GLY	1405	71.901	65.747	7.461	1.00	54.73
ATOM	5336	N	ILE	1406	71.161	63.779	8.262	1.00	51.10
ATOM	5337	CA	ILE	1406	71.872	63.919	9.528	1.00	47.34
ATOM	5338	CB	ILE	1406	71.181	63.149	10.693	1.00	47.55
ATOM	5339	CG2	ILE	1406	70.137	64.040	11.359	1.00	46.87
ATOM	5340	CG1	ILE	1406	70.582	61.817	10.214	1.00	47.02
ATOM	5341	CD1	ILE	1406	69.158	61.912	9.660	1.00	43.14
ATOM	5342	C	ILE	1406	73.356	63.562	9.465	1.00	44.59
ATOM	5343	O	ILE	1406	73.738	62.474	9.026	1.00	43.27
ATOM	5344	N	ARG	1407	74.179	64.521	9.878	1.00	42.11
ATOM	5345	CA	ARG	1407	75.628	64.377	9.910	1.00	40.01
ATOM	5346	CB	ARG	1407	76.280	65.759	9.797	1.00	38.99
ATOM	5347	CG	ARG	1407	77.774	65.750	9.540	1.00	34.88
ATOM	5348	CD	ARG	1407	78.321	67.167	9.600	1.00	33.23
ATOM	5349	NE	ARG	1407	79.698	67.250	9.123	1.00	34.81
ATOM	5350	CZ	ARG	1407	80.671	67.912	9.745	1.00	33.80
ATOM	5351	NH1	ARG	1407	80.430	68.551	10.883	1.00	35.60
ATOM	5352	NH2	ARG	1407	81.881	67.972	9.207	1.00	31.88
ATOM	5353	C	ARG	1407	75.957	63.749	11.259	1.00	39.81
ATOM	5354	O	ARG	1407	75.848	64.399	12.299	1.00	40.00
ATOM	5355	N	LEU	1408	76.299	62.469	11.240	1.00	39.11
ATOM	5356	CA	LEU	1408	76.610	61.734	12.451	1.00	38.94
ATOM	5357	CB	LEU	1408	75.765	60.464	12.489	1.00	35.80
ATOM	5358	CG	LEU	1408	74.271	60.639	12.265	1.00	33.00
ATOM	5359	CD1	LEU	1408	73.658	59.302	12.000	1.00	35.13
ATOM	5360	CD2	LEU	1408	73.637	61.293	13.466	1.00	33.45
ATOM	5361	C	LEU	1408	78.077	61.349	12.582	1.00	39.97
ATOM	5362	O	LEU	1408	78.846	61.421	11.621	1.00	41.20
ATOM	5363	N	LYS	1409	78.444	60.922	13.784	1.00	39.40
ATOM	5364	CA	LYS	1409	79.793	60.475	14.088	1.00	37.55
ATOM	5365	CB	LYS	1409	80.574	61.559	14.812	1.00	34.49
ATOM	5366	CG	LYS	1409	82.070	61.410	14.684	1.00	31.73

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed October 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 92/118

FIG. 1A-92

ATOM	5367	CD	LYS	1409	82.748	62.681	15.122	1.00	31.14
ATOM	5368	CE	LYS	1409	84.117	62.821	14.504	1.00	30.59
ATOM	5369	NZ	LYS	1409	84.738	64.118	14.889	1.00	30.87
ATOM	5370	C	LYS	1409	79.616	59.261	14.990	1.00	38.36
ATOM	5371	O	LYS	1409	78.648	59.181	15.760	1.00	38.95
ATOM	5372	N	LYS	1410	80.538	58.314	14.878	1.00	37.52
ATOM	5373	CA	LYS	1410	80.481	57.083	15.654	1.00	37.57
ATOM	5374	CB	LYS	1410	81.473	56.045	15.106	1.00	39.72
ATOM	5375	CG	LYS	1410	81.424	55.848	13.586	1.00	47.39
ATOM	5376	CD	LYS	1410	82.257	56.898	12.828	1.00	54.46
ATOM	5377	CE	LYS	1410	83.704	56.437	12.552	1.00	57.97
ATOM	5378	NZ	LYS	1410	84.528	56.135	13.772	1.00	58.51
ATOM	5379	C	LYS	1410	80.737	57.292	17.144	1.00	36.58
ATOM	5380	O	LYS	1410	81.503	58.169	17.548	1.00	36.90
ATOM	5381	N	TYR	1411	80.045	56.504	17.956	1.00	33.81
ATOM	5382	CA	TYR	1411	80.196	56.538	19.398	1.00	29.59
ATOM	5383	CB	TYR	1411	79.308	57.606	20.036	1.00	28.89
ATOM	5384	CG	TYR	1411	79.468	57.638	21.536	1.00	29.67
ATOM	5385	CD1	TYR	1411	80.735	57.684	22.113	1.00	27.56
ATOM	5386	CE1	TYR	1411	80.900	57.654	23.484	1.00	32.21
ATOM	5387	CD2	TYR	1411	78.363	57.575	22.380	1.00	32.44
ATOM	5388	CE2	TYR	1411	78.515	57.547	23.767	1.00	35.34
ATOM	5389	CZ	TYR	1411	79.792	57.588	24.313	1.00	35.21
ATOM	5390	OH	TYR	1411	79.975	57.562	25.683	1.00	32.62
ATOM	5391	C	TYR	1411	79.794	55.156	19.890	1.00	28.28
ATOM	5392	O	TYR	1411	78.666	54.717	19.658	1.00	29.51
ATOM	5393	N	ARG	1412	80.705	54.482	20.583	1.00	25.07
ATOM	5394	CA	ARG	1412	80.442	53.131	21.067	1.00	22.53
ATOM	5395	CB	ARG	1412	81.072	52.122	20.104	1.00	22.14
ATOM	5396	CG	ARG	1412	82.573	52.254	20.020	1.00	22.85
ATOM	5397	CD	ARG	1412	83.202	51.252	19.099	1.00	21.78
ATOM	5398	NE	ARG	1412	84.655	51.364	19.163	1.00	24.40
ATOM	5399	CZ	ARG	1412	85.496	50.726	18.355	1.00	28.25
ATOM	5400	NH1	ARG	1412	85.037	49.921	17.410	1.00	29.33
ATOM	5401	NH2	ARG	1412	86.803	50.887	18.501	1.00	31.56
ATOM	5402	C	ARG	1412	80.980	52.865	22.469	1.00	20.00
ATOM	5403	O	ARG	1412	81.990	53.437	22.881	1.00	19.85
ATOM	5404	N	GLY	1413	80.316	51.966	23.183	1.00	18.06
ATOM	5405	CA	GLY	1413	80.765	51.618	24.512	1.00	18.17
ATOM	5406	C	GLY	1413	82.049	50.841	24.373	1.00	19.69
ATOM	5407	O	GLY	1413	82.237	50.126	23.384	1.00	19.71
ATOM	5408	N	MET	1414	82.944	50.988	25.342	1.00	20.34
ATOM	5409	CA	MET	1414	84.221	50.282	25.309	1.00	22.12
ATOM	5410	CB	MET	1414	85.180	50.857	26.356	1.00	22.03
ATOM	5411	CG	MET	1414	85.671	52.265	26.041	1.00	23.32
ATOM	5412	SD	MET	1414	86.555	52.417	24.466	1.00	26.75
ATOM	5413	CE	MET	1414	85.214	52.711	23.391	1.00	28.28
ATOM	5414	C	MET	1414	84.040	48.781	25.504	1.00	22.54
ATOM	5415	O	MET	1414	84.896	47.981	25.112	1.00	23.42
ATOM	5416	N	GLY	1415	82.907	48.405	26.086	1.00	22.77
ATOM	5417	CA	GLY	1415	82.626	47.006	26.313	1.00	22.65
ATOM	5418	C	GLY	1415	81.802	46.428	25.190	1.00	23.70
ATOM	5419	O	GLY	1415	81.146	45.412	25.378	1.00	24.44
ATOM	5420	N	SER	1416	81.783	47.091	24.039	1.00	25.46
ATOM	5421	CA	SER	1416	81.025	46.578	22.911	1.00	28.36
ATOM	5422	CB	SER	1416	80.623	47.703	21.945	1.00	26.46
ATOM	5423	OG	SER	1416	81.743	48.329	21.341	1.00	25.07
ATOM	5424	C	SER	1416	81.858	45.522	22.194	1.00	32.07
ATOM	5425	O	SER	1416	83.089	45.526	22.278	1.00	32.48

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 1A-93

ATOM	5426	N	LEU	1417	81.175	44.625	21.490	1.00	35.05
ATOM	5427	CA	LEU	1417	81.815	43.551	20.746	1.00	37.86
ATOM	5428	CB	LEU	1417	80.744	42.758	19.989	1.00	37.24
ATOM	5429	CG	LEU	1417	80.467	41.322	20.443	1.00	36.80
ATOM	5430	CD1	LEU	1417	81.602	40.422	19.990	1.00	41.48
ATOM	5431	CD2	LEU	1417	80.305	41.258	21.948	1.00	32.76
ATOM	5432	C	LEU	1417	82.909	44.029	19.777	1.00	41.62
ATOM	5433	O	LEU	1417	83.996	43.447	19.726	1.00	42.91
ATOM	5434	N	ASP	1418	82.625	45.096	19.029	1.00	43.98
ATOM	5435	CA	ASP	1418	83.582	45.628	18.056	1.00	44.77
ATOM	5436	CB	ASP	1418	82.852	46.360	16.916	1.00	45.89
ATOM	5437	CG	ASP	1418	82.267	47.696	17.345	1.00	49.84
ATOM	5438	OD1	ASP	1418	81.466	47.728	18.304	1.00	54.75
ATOM	5439	OD2	ASP	1418	82.600	48.718	16.706	1.00	49.55
ATOM	5440	C	ASP	1418	84.658	46.521	18.672	1.00	44.00
ATOM	5441	O	ASP	1418	85.700	46.754	18.067	1.00	45.96
ATOM	5442	N	ALA	1419	84.383	47.068	19.848	1.00	42.92
ATOM	5443	CA	ALA	1419	85.363	47.908	20.511	1.00	41.90
ATOM	5444	CB	ALA	1419	84.712	48.728	21.612	1.00	39.79
ATOM	5445	C	ALA	1419	86.398	46.970	21.100	1.00	42.91
ATOM	5446	O	ALA	1419	87.598	47.217	20.994	1.00	43.77
ATOM	5447	N	MET	1420	85.919	45.878	21.692	1.00	44.17
ATOM	5448	CA	MET	1420	86.783	44.882	22.324	1.00	46.58
ATOM	5449	CB	MET	1420	85.960	43.956	23.228	1.00	44.85
ATOM	5450	CG	MET	1420	85.222	44.663	24.359	1.00	40.59
ATOM	5451	SD	MET	1420	84.557	43.506	25.583	1.00	37.46
ATOM	5452	CE	MET	1420	83.211	42.736	24.659	1.00	35.09
ATOM	5453	C	MET	1420	87.615	44.049	21.340	1.00	48.15
ATOM	5454	O	MET	1420	87.079	43.674	20.273	1.00	49.93
ATOM	5455	CB	ILE	1437	81.342	33.951	22.925	1.00	66.55
ATOM	5456	CG2	ILE	1437	81.311	33.579	21.441	1.00	68.42
ATOM	5457	CG1	ILE	1437	80.618	32.891	23.774	1.00	66.87
ATOM	5458	CD1	ILE	1437	80.344	33.296	25.209	1.00	65.86
ATOM	5459	C	ILE	1437	82.900	35.253	24.433	1.00	60.65
ATOM	5460	O	ILE	1437	83.257	34.991	25.582	1.00	60.18
ATOM	5461	N	ILE	1437	83.398	32.887	23.943	1.00	64.00
ATOM	5462	CA	ILE	1437	82.815	34.144	23.394	1.00	63.11
ATOM	5463	N	LYS	1438	82.590	36.480	24.022	1.00	58.06
ATOM	5464	CA	LYS	1438	82.649	37.632	24.916	1.00	54.30
ATOM	5465	CB	LYS	1438	83.479	38.752	24.283	1.00	57.05
ATOM	5466	CG	LYS	1438	84.954	38.440	24.118	1.00	61.76
ATOM	5467	CD	LYS	1438	85.719	39.680	23.684	1.00	66.01
ATOM	5468	CE	LYS	1438	87.222	39.446	23.713	1.00	70.05
ATOM	5469	NZ	LYS	1438	87.994	40.707	23.490	1.00	72.96
ATOM	5470	C	LYS	1438	81.264	38.170	25.269	1.00	50.75
ATOM	5471	O	LYS	1438	80.359	38.186	24.437	1.00	51.21
ATOM	5472	N	VAL	1439	81.109	38.618	26.508	1.00	47.03
ATOM	5473	CA	VAL	1439	79.841	39.171	26.969	1.00	42.02
ATOM	5474	CB	VAL	1439	79.561	38.776	28.441	1.00	39.60
ATOM	5475	CG1	VAL	1439	78.227	39.331	28.893	1.00	37.77
ATOM	5476	CG2	VAL	1439	79.573	37.261	28.589	1.00	37.89
ATOM	5477	C	VAL	1439	79.903	40.694	26.830	1.00	39.68
ATOM	5478	O	VAL	1439	80.562	41.372	27.623	1.00	39.64
ATOM	5479	N	ALA	1440	79.266	41.214	25.782	1.00	36.52
ATOM	5480	CA	ALA	1440	79.244	42.651	25.514	1.00	33.16
ATOM	5481	CB	ALA	1440	78.640	42.931	24.151	1.00	33.07
ATOM	5482	C	ALA	1440	78.487	43.425	26.578	1.00	31.48
ATOM	5483	O	ALA	1440	77.377	43.055	26.964	1.00	31.26
ATOM	5484	N	GLN	1441	79.092	44.517	27.031	1.00	30.45

APPROVED	O G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filing Date: October 2, 2000
 MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 94/118



FIG. 1A-94

ATOM	5485	CA	GLN	1441	78.497	45.369	28.049	1.00	27.44
ATOM	5486	CB	GLN	1441	79.453	45.525	29.225	1.00	23.78
ATOM	5487	CG	GLN	1441	79.765	44.207	29.902	1.00	22.17
ATOM	5488	CD	GLN	1441	80.382	44.395	31.258	1.00	23.37
ATOM	5489	OE1	GLN	1441	79.840	45.109	32.100	1.00	22.22
ATOM	5490	NE2	GLN	1441	81.515	43.750	31.489	1.00	25.42
ATOM	5491	C	GLN	1441	78.086	46.733	27.501	1.00	28.00
ATOM	5492	O	GLN	1441	77.548	47.565	28.230	1.00	28.70
ATOM	5493	N	GLY	1442	78.273	46.929	26.200	1.00	28.38
ATOM	5494	CA	GLY	1442	77.905	48.184	25.576	1.00	27.33
ATOM	5495	C	GLY	1442	77.463	47.982	24.138	1.00	27.30
ATOM	5496	O	GLY	1442	77.656	46.902	23.564	1.00	27.61
ATOM	5497	N	VAL	1443	76.833	49.005	23.572	1.00	26.10
ATOM	5498	CA	VAL	1443	76.376	48.970	22.187	1.00	23.86
ATOM	5499	CB	VAL	1443	74.867	49.329	22.057	1.00	21.54
ATOM	5500	CG1	VAL	1443	74.027	48.384	22.884	1.00	16.72
ATOM	5501	CG2	VAL	1443	74.618	50.775	22.470	1.00	21.56
ATOM	5502	C	VAL	1443	77.202	49.988	21.406	1.00	23.54
ATOM	5503	O	VAL	1443	77.823	50.877	21.995	1.00	23.22
ATOM	5504	N	SER	1444	77.234	49.841	20.088	1.00	24.09
ATOM	5505	CA	SER	1444	77.980	50.765	19.248	1.00	23.73
ATOM	5506	CB	SER	1444	78.953	49.995	18.359	1.00	24.52
ATOM	5507	OG	SER	1444	79.897	50.872	17.774	1.00	30.92
ATOM	5508	C	SER	1444	76.972	51.502	18.392	1.00	24.25
ATOM	5509	O	SER	1444	76.180	50.874	17.689	1.00	25.44
ATOM	5510	N	GLY	1445	76.973	52.825	18.454	1.00	24.61
ATOM	5511	CA	GLY	1445	76.017	53.576	17.662	1.00	26.65
ATOM	5512	C	GLY	1445	76.569	54.849	17.063	1.00	28.09
ATOM	5513	O	GLY	1445	77.767	54.951	16.794	1.00	29.89
ATOM	5514	N	ALA	1446	75.695	55.822	16.841	1.00	27.70
ATOM	5515	CA	ALA	1446	76.112	57.090	16.272	1.00	28.08
ATOM	5516	CB	ALA	1446	75.848	57.105	14.782	1.00	25.75
ATOM	5517	C	ALA	1446	75.364	58.220	16.947	1.00	29.63
ATOM	5518	O	ALA	1446	74.307	58.004	17.543	1.00	29.07
ATOM	5519	N	VAL	1447	75.935	59.416	16.879	1.00	31.82
ATOM	5520	CA	VAL	1447	75.325	60.612	17.454	1.00	35.50
ATOM	5521	CB	VAL	1447	75.954	60.996	18.819	1.00	38.59
ATOM	5522	CG1	VAL	1447	75.443	60.074	19.917	1.00	41.19
ATOM	5523	CG2	VAL	1447	77.464	60.914	18.744	1.00	41.83
ATOM	5524	C	VAL	1447	75.471	61.767	16.460	1.00	36.50
ATOM	5525	O	VAL	1447	76.389	61.781	15.633	1.00	36.46
ATOM	5526	N	GLN	1448	74.543	62.715	16.527	1.00	37.04
ATOM	5527	CA	GLN	1448	74.538	63.863	15.632	1.00	37.13
ATOM	5528	CB	GLN	1448	73.145	64.492	15.624	1.00	40.18
ATOM	5529	CG	GLN	1448	72.945	65.593	14.589	1.00	42.82
ATOM	5530	CD	GLN	1448	71.498	66.047	14.492	1.00	42.85
ATOM	5531	OE1	GLN	1448	70.612	65.492	15.146	1.00	41.67
ATOM	5532	NE2	GLN	1448	71.251	67.054	13.666	1.00	43.75
ATOM	5533	C	GLN	1448	75.603	64.919	15.941	1.00	36.41
ATOM	5534	O	GLN	1448	75.812	65.298	17.096	1.00	37.30
ATOM	5535	N	ASP	1449	76.263	65.383	14.885	1.00	35.19
ATOM	5536	CA	ASP	1449	77.311	66.399	14.941	1.00	34.49
ATOM	5537	CB	ASP	1449	77.536	66.948	13.524	1.00	33.54
ATOM	5538	CG	ASP	1449	78.452	68.160	13.483	1.00	34.61
ATOM	5539	OD1	ASP	1449	79.444	68.210	14.242	1.00	34.88
ATOM	5540	OD2	ASP	1449	78.183	69.063	12.663	1.00	35.64
ATOM	5541	C	ASP	1449	76.961	67.537	15.896	1.00	33.86
ATOM	5542	O	ASP	1449	76.038	68.301	15.642	1.00	35.06
ATOM	5543	N	LYS	1450	77.714	67.647	16.986	1.00	33.79

APPROVED	O. G. FIG.	
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 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 95/118



FIG. 1A-95

ATOM	5544	CA	LYS	1450	77.487	68.696	17.977	1.00	34.79
ATOM	5545	CB	LYS	1450	77.726	68.163	19.393	1.00	38.05
ATOM	5546	CG	LYS	1450	76.750	67.084	19.820	1.00	47.10
ATOM	5547	CD	LYS	1450	77.088	66.552	21.200	1.00	52.04
ATOM	5548	CE	LYS	1450	76.150	65.422	21.602	1.00	57.04
ATOM	5549	NZ	LYS	1450	76.264	64.232	20.705	1.00	59.52
ATOM	5550	C	LYS	1450	78.356	69.931	17.754	1.00	33.28
ATOM	5551	O	LYS	1450	78.324	70.864	18.555	1.00	34.18
ATOM	5552	N	GLY	1451	79.148	69.934	16.687	1.00	32.00
ATOM	5553	CA	GLY	1451	80.005	71.074	16.413	1.00	29.42
ATOM	5554	C	GLY	1451	81.354	70.937	17.086	1.00	28.07
ATOM	5555	O	GLY	1451	81.808	69.818	17.335	1.00	26.57
ATOM	5556	N	SER	1452	81.971	72.066	17.426	1.00	27.12
ATOM	5557	CA	SER	1452	83.290	72.062	18.058	1.00	26.69
ATOM	5558	CB	SER	1452	84.206	73.084	17.364	1.00	30.79
ATOM	5559	OG	SER	1452	85.474	73.215	18.000	1.00	30.53
ATOM	5560	C	SER	1452	83.285	72.312	19.560	1.00	25.17
ATOM	5561	O	SER	1452	82.528	73.154	20.057	1.00	25.27
ATOM	5562	N	ILE	1453	84.186	71.615	20.259	1.00	23.64
ATOM	5563	CA	ILE	1453	84.360	71.724	21.712	1.00	21.74
ATOM	5564	CB	ILE	1453	85.588	70.911	22.193	1.00	18.90
ATOM	5565	CG2	ILE	1453	86.084	71.414	23.541	1.00	15.69
ATOM	5566	CG1	ILE	1453	85.247	69.420	22.276	1.00	18.69
ATOM	5567	CD1	ILE	1453	84.246	69.068	23.344	1.00	16.28
ATOM	5568	C	ILE	1453	84.571	73.172	22.119	1.00	23.00
ATOM	5569	O	ILE	1453	84.144	73.598	23.192	1.00	23.69
ATOM	5570	N	HIS	1454	85.195	73.931	21.228	1.00	25.62
ATOM	5571	CA	HIS	1454	85.494	75.331	21.472	1.00	26.80
ATOM	5572	CB	HIS	1454	86.497	75.828	20.437	1.00	26.77
ATOM	5573	CG	HIS	1454	87.850	75.202	20.581	1.00	29.51
ATOM	5574	CD2	HIS	1454	88.430	74.172	19.927	1.00	28.95
ATOM	5575	ND1	HIS	1454	88.757	75.608	21.538	1.00	33.65
ATOM	5576	CE1	HIS	1454	89.836	74.848	21.470	1.00	33.07
ATOM	5577	NE2	HIS	1454	89.663	73.971	20.498	1.00	31.26
ATOM	5578	C	HIS	1454	84.281	76.251	21.580	1.00	27.40
ATOM	5579	O	HIS	1454	84.418	77.414	21.963	1.00	25.97
ATOM	5580	N	LYS	1455	83.103	75.725	21.259	1.00	27.47
ATOM	5581	CA	LYS	1455	81.864	76.488	21.360	1.00	30.12
ATOM	5582	CB	LYS	1455	81.153	76.575	20.012	1.00	35.92
ATOM	5583	CG	LYS	1455	81.922	77.286	18.917	1.00	45.61
ATOM	5584	CD	LYS	1455	81.370	76.898	17.543	1.00	57.31
ATOM	5585	CE	LYS	1455	81.386	75.368	17.347	1.00	61.81
ATOM	5586	NZ	LYS	1455	80.920	74.895	16.006	1.00	60.26
ATOM	5587	C	LYS	1455	80.950	75.771	22.344	1.00	28.06
ATOM	5588	O	LYS	1455	80.318	76.399	23.195	1.00	30.49
ATOM	5589	N	PHE	1456	80.915	74.446	22.242	1.00	24.81
ATOM	5590	CA	PHE	1456	80.071	73.625	23.096	1.00	20.59
ATOM	5591	CB	PHE	1456	80.105	72.165	22.636	1.00	21.85
ATOM	5592	CG	PHE	1456	79.036	71.314	23.258	1.00	23.75
ATOM	5593	CD1	PHE	1456	77.723	71.383	22.797	1.00	20.86
ATOM	5594	CD2	PHE	1456	79.328	70.479	24.335	1.00	22.64
ATOM	5595	CE1	PHE	1456	76.714	70.636	23.404	1.00	21.49
ATOM	5596	CE2	PHE	1456	78.325	69.729	24.945	1.00	22.84
ATOM	5597	CZ	PHE	1456	77.015	69.810	24.480	1.00	20.55
ATOM	5598	C	PHE	1456	80.411	73.729	24.579	1.00	17.53
ATOM	5599	O	PHE	1456	79.529	73.929	25.403	1.00	15.84
ATOM	5600	N	VAL	1457	81.682	73.586	24.928	1.00	17.91
ATOM	5601	CA	VAL	1457	82.073	73.685	26.329	1.00	19.08
ATOM	5602	CB	VAL	1457	83.571	73.399	26.536	1.00	15.14

APPROVED	O. G. FIG.	
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FIG. 1A-96

ATOM	5603	CG1	VAL	1457	83.994	73.760	27.953	1.00	13.44
ATOM	5604	CG2	VAL	1457	83.833	71.932	26.304	1.00	16.34
ATOM	5605	C	VAL	1457	81.681	75.051	26.904	1.00	22.53
ATOM	5606	O	VAL	1457	81.080	75.131	27.983	1.00	22.20
ATOM	5607	N	PRO	1458	82.013	76.145	26.191	1.00	24.20
ATOM	5608	CD	PRO	1458	82.911	76.261	25.027	1.00	24.44
ATOM	5609	CA	PRO	1458	81.651	77.475	26.695	1.00	25.28
ATOM	5610	CB	PRO	1458	82.122	78.392	25.573	1.00	27.34
ATOM	5611	CG	PRO	1458	83.363	77.702	25.107	1.00	25.79
ATOM	5612	C	PRO	1458	80.147	77.576	26.939	1.00	24.20
ATOM	5613	O	PRO	1458	79.693	78.307	27.823	1.00	25.91
ATOM	5614	N	TYR	1459	79.373	76.849	26.147	1.00	22.70
ATOM	5615	CA	TYR	1459	77.934	76.832	26.337	1.00	22.83
ATOM	5616	CB	TYR	1459	77.255	76.104	25.177	1.00	21.77
ATOM	5617	CG	TYR	1459	75.901	75.539	25.531	1.00	26.38
ATOM	5618	CD1	TYR	1459	74.833	76.374	25.869	1.00	29.53
ATOM	5619	CE1	TYR	1459	73.595	75.845	26.230	1.00	30.45
ATOM	5620	CD2	TYR	1459	75.693	74.160	25.559	1.00	28.56
ATOM	5621	CE2	TYR	1459	74.462	73.619	25.917	1.00	26.79
ATOM	5622	CZ	TYR	1459	73.419	74.463	26.250	1.00	28.78
ATOM	5623	OH	TYR	1459	72.209	73.912	26.604	1.00	26.01
ATOM	5624	C	TYR	1459	77.635	76.123	27.669	1.00	22.79
ATOM	5625	O	TYR	1459	76.879	76.634	28.497	1.00	22.57
ATOM	5626	N	LEU	1460	78.261	74.966	27.883	1.00	22.45
ATOM	5627	CA	LEU	1460	78.062	74.188	29.105	1.00	20.94
ATOM	5628	CB	LEU	1460	78.909	72.908	29.091	1.00	18.74
ATOM	5629	CG	LEU	1460	78.564	71.821	28.062	1.00	15.82
ATOM	5630	CD1	LEU	1460	79.566	70.675	28.136	1.00	11.15
ATOM	5631	CD2	LEU	1460	77.157	71.307	28.295	1.00	12.28
ATOM	5632	C	LEU	1460	78.376	75.016	30.341	1.00	20.69
ATOM	5633	O	LEU	1460	77.619	75.015	31.309	1.00	22.07
ATOM	5634	N	ILE	1461	79.486	75.737	30.301	1.00	21.57
ATOM	5635	CA	ILE	1461	79.880	76.583	31.423	1.00	22.27
ATOM	5636	CB	ILE	1461	81.223	77.296	31.134	1.00	18.97
ATOM	5637	CG2	ILE	1461	81.550	78.264	32.239	1.00	19.35
ATOM	5638	CG1	ILE	1461	82.346	76.269	30.990	1.00	15.84
ATOM	5639	CD1	ILE	1461	83.661	76.851	30.523	1.00	15.19
ATOM	5640	C	ILE	1461	78.785	77.623	31.683	1.00	22.73
ATOM	5641	O	ILE	1461	78.374	77.849	32.823	1.00	24.12
ATOM	5642	N	ALA	1462	78.286	78.233	30.618	1.00	22.40
ATOM	5643	CA	ALA	1462	77.240	79.227	30.767	1.00	23.17
ATOM	5644	CB	ALA	1462	76.969	79.901	29.446	1.00	24.38
ATOM	5645	C	ALA	1462	75.969	78.596	31.316	1.00	22.99
ATOM	5646	O	ALA	1462	75.247	79.227	32.085	1.00	23.60
ATOM	5647	N	GLY	1463	75.712	77.347	30.939	1.00	22.00
ATOM	5648	CA	GLY	1463	74.524	76.655	31.404	1.00	20.76
ATOM	5649	C	GLY	1463	74.563	76.411	32.893	1.00	21.18
ATOM	5650	O	GLY	1463	73.586	76.670	33.595	1.00	22.33
ATOM	5651	N	ILE	1464	75.707	75.935	33.376	1.00	21.45
ATOM	5652	CA	ILE	1464	75.907	75.650	34.795	1.00	21.45
ATOM	5653	CB	ILE	1464	77.279	74.972	35.048	1.00	17.77
ATOM	5654	CG2	ILE	1464	77.472	74.652	36.525	1.00	16.84
ATOM	5655	CG1	ILE	1464	77.375	73.672	34.263	1.00	12.39
ATOM	5656	CD1	ILE	1464	78.696	72.995	34.442	1.00	21.13
ATOM	5657	C	ILE	1464	75.819	76.933	35.621	1.00	24.69
ATOM	5658	O	ILE	1464	75.201	76.948	36.693	1.00	27.98
ATOM	5659	N	GLN	1465	76.420	78.010	35.115	1.00	23.43
ATOM	5660	CA	GLN	1465	76.396	79.291	35.810	1.00	20.44
ATOM	5661	CB	GLN	1465	77.198	80.333	35.046	1.00	20.47

APPROVED	O. G. FIG.	
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FIG. 1A-97

ATOM	5662	CG	GLN	1465	78.672	80.037	34.997	1.00	21.90
ATOM	5663	CD	GLN	1465	79.479	81.241	34.585	1.00	23.86
ATOM	5664	OE1	GLN	1465	80.564	81.483	35.108	1.00	24.24
ATOM	5665	NE2	GLN	1465	78.944	82.019	33.655	1.00	25.91
ATOM	5666	C	GLN	1465	74.977	79.790	36.029	1.00	19.83
ATOM	5667	O	GLN	1465	74.672	80.390	37.060	1.00	20.11
ATOM	5668	N	HIS	1466	74.106	79.557	35.058	1.00	20.26
ATOM	5669	CA	HIS	1466	72.725	79.977	35.208	1.00	22.99
ATOM	5670	CB	HIS	1466	71.998	79.979	33.873	1.00	24.47
ATOM	5671	CG	HIS	1466	72.288	81.191	33.047	1.00	30.20
ATOM	5672	CD2	HIS	1466	71.599	82.347	32.892	1.00	33.03
ATOM	5673	ND1	HIS	1466	73.426	81.319	32.283	1.00	31.81
ATOM	5674	CE1	HIS	1466	73.429	82.501	31.692	1.00	34.48
ATOM	5675	NE2	HIS	1466	72.331	83.145	32.047	1.00	35.24
ATOM	5676	C	HIS	1466	71.998	79.108	36.229	1.00	24.73
ATOM	5677	O	HIS	1466	71.124	79.608	36.940	1.00	27.97
ATOM	5678	N	SER	1467	72.363	77.826	36.328	1.00	22.87
ATOM	5679	CA	SER	1467	71.734	76.941	37.307	1.00	21.98
ATOM	5680	CB	SER	1467	72.240	75.510	37.173	1.00	19.47
ATOM	5681	OG	SER	1467	71.817	74.941	35.958	1.00	25.92
ATOM	5682	C	SER	1467	72.070	77.443	38.694	1.00	22.35
ATOM	5683	O	SER	1467	71.182	77.701	39.502	1.00	26.52
ATOM	5684	N	CYS	1468	73.361	77.616	38.950	1.00	21.86
ATOM	5685	CA	CYS	1468	73.833	78.089	40.241	1.00	21.15
ATOM	5686	CB	CYS	1468	75.349	78.280	40.219	1.00	19.89
ATOM	5687	SG	CYS	1468	76.268	76.742	40.093	1.00	17.63
ATOM	5688	C	CYS	1468	73.141	79.382	40.633	1.00	20.36
ATOM	5689	O	CYS	1468	72.698	79.535	41.771	1.00	20.45
ATOM	5690	N	GLN	1469	73.003	80.285	39.673	1.00	20.12
ATOM	5691	CA	GLN	1469	72.351	81.554	39.927	1.00	20.40
ATOM	5692	CB	GLN	1469	72.357	82.412	38.678	1.00	17.82
ATOM	5693	CG	GLN	1469	71.694	83.733	38.897	1.00	17.81
ATOM	5694	CD	GLN	1469	71.523	84.486	37.619	1.00	23.77
ATOM	5695	OE1	GLN	1469	71.323	83.894	36.558	1.00	22.20
ATOM	5696	NE2	GLN	1469	71.611	85.810	37.699	1.00	28.08
ATOM	5697	C	GLN	1469	70.919	81.356	40.393	1.00	21.30
ATOM	5698	O	GLN	1469	70.508	81.907	41.411	1.00	23.33
ATOM	5699	N	ASP	1470	70.153	80.578	39.641	1.00	21.99
ATOM	5700	CA	ASP	1470	68.771	80.323	40.004	1.00	22.24
ATOM	5701	CB	ASP	1470	68.112	79.398	38.983	1.00	22.86
ATOM	5702	CG	ASP	1470	67.573	80.146	37.766	1.00	25.39
ATOM	5703	OD1	ASP	1470	67.784	81.375	37.639	1.00	21.98
ATOM	5704	OD2	ASP	1470	66.913	79.488	36.937	1.00	24.95
ATOM	5705	C	ASP	1470	68.664	79.731	41.401	1.00	22.03
ATOM	5706	O	ASP	1470	67.805	80.139	42.187	1.00	22.26
ATOM	5707	N	ILE	1471	69.564	78.807	41.726	1.00	21.04
ATOM	5708	CA	ILE	1471	69.543	78.170	43.037	1.00	21.12
ATOM	5709	CB	ILE	1471	70.160	76.725	43.012	1.00	22.81
ATOM	5710	CG2	ILE	1471	69.450	75.859	41.976	1.00	19.90
ATOM	5711	CG1	ILE	1471	71.653	76.755	42.689	1.00	25.14
ATOM	5712	CD1	ILE	1471	72.284	75.374	42.600	1.00	21.70
ATOM	5713	C	ILE	1471	70.160	79.040	44.139	1.00	20.42
ATOM	5714	O	ILE	1471	70.011	78.739	45.324	1.00	20.93
ATOM	5715	N	GLY	1472	70.808	80.137	43.751	1.00	19.66
ATOM	5716	CA	GLY	1472	71.403	81.047	44.722	1.00	19.79
ATOM	5717	C	GLY	1472	72.859	80.822	45.102	1.00	21.16
ATOM	5718	O	GLY	1472	73.376	81.445	46.042	1.00	21.66
ATOM	5719	N	ALA	1473	73.537	79.951	44.364	1.00	21.76
ATOM	5720	CA	ALA	1473	74.932	79.640	44.631	1.00	21.14

APPROVED	O.G. FIG.	
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FIG. 1A-98

ATOM	5721	CB	ALA	1473	75.157	78.164	44.468	1.00	23.54
ATOM	5722	C	ALA	1473	75.862	80.413	43.708	1.00	21.24
ATOM	5723	O	ALA	1473	75.714	80.365	42.493	1.00	20.90
ATOM	5724	N	LYS	1474	76.821	81.124	44.290	1.00	22.52
ATOM	5725	CA	LYS	1474	77.783	81.903	43.516	1.00	23.89
ATOM	5726	CB	LYS	1474	78.276	83.110	44.326	1.00	28.89
ATOM	5727	CG	LYS	1474	77.167	84.009	44.856	1.00	38.03
ATOM	5728	CD	LYS	1474	77.720	85.285	45.496	1.00	44.94
ATOM	5729	CE	LYS	1474	76.605	86.167	46.073	1.00	47.23
ATOM	5730	NZ	LYS	1474	75.848	85.496	47.173	1.00	49.89
ATOM	5731	C	LYS	1474	78.983	81.057	43.110	1.00	22.37
ATOM	5732	O	LYS	1474	79.919	81.561	42.506	1.00	23.41
ATOM	5733	N	SER	1475	78.959	79.775	43.452	1.00	22.61
ATOM	5734	CA	SER	1475	80.056	78.871	43.128	1.00	22.50
ATOM	5735	CB	SER	1475	81.273	79.205	43.990	1.00	26.45
ATOM	5736	OG	SER	1475	80.945	79.161	45.376	1.00	32.98
ATOM	5737	C	SER	1475	79.645	77.430	43.393	1.00	21.22
ATOM	5738	O	SER	1475	78.702	77.177	44.152	1.00	20.30
ATOM	5739	N	LEU	1476	80.354	76.488	42.780	1.00	20.38
ATOM	5740	CA	LEU	1476	80.051	75.077	42.987	1.00	18.61
ATOM	5741	CB	LEU	1476	80.837	74.200	42.017	1.00	13.19
ATOM	5742	CG	LEU	1476	80.552	74.458	40.530	1.00	9.83
ATOM	5743	CD1	LEU	1476	81.212	73.391	39.698	1.00	6.72
ATOM	5744	CD2	LEU	1476	79.066	74.458	40.248	1.00	9.78
ATOM	5745	C	LEU	1476	80.297	74.670	44.443	1.00	18.33
ATOM	5746	O	LEU	1476	79.567	73.858	44.997	1.00	21.64
ATOM	5747	N	THR	1477	81.282	75.280	45.085	1.00	18.50
ATOM	5748	CA	THR	1477	81.564	74.985	46.484	1.00	20.62
ATOM	5749	CB	THR	1477	82.787	75.775	46.994	1.00	22.41
ATOM	5750	OG1	THR	1477	83.954	75.394	46.249	1.00	24.52
ATOM	5751	CG2	THR	1477	83.012	75.512	48.480	1.00	24.60
ATOM	5752	C	THR	1477	80.352	75.394	47.315	1.00	21.09
ATOM	5753	O	THR	1477	79.919	74.666	48.209	1.00	20.03
ATOM	5754	N	GLN	1478	79.801	76.560	46.988	1.00	23.03
ATOM	5755	CA	GLN	1478	78.633	77.097	47.682	1.00	21.72
ATOM	5756	CB	GLN	1478	78.298	78.499	47.157	1.00	20.38
ATOM	5757	CG	GLN	1478	77.346	79.323	48.022	1.00	22.66
ATOM	5758	CD	GLN	1478	77.277	80.785	47.584	1.00	27.92
ATOM	5759	OE1	GLN	1478	78.058	81.230	46.746	1.00	30.51
ATOM	5760	NE2	GLN	1478	76.339	81.533	48.147	1.00	30.65
ATOM	5761	C	GLN	1478	77.455	76.164	47.483	1.00	21.55
ATOM	5762	O	GLN	1478	76.688	75.939	48.415	1.00	23.57
ATOM	5763	N	VAL	1479	77.342	75.575	46.294	1.00	21.36
ATOM	5764	CA	VAL	1479	76.233	74.660	46.017	1.00	21.51
ATOM	5765	CB	VAL	1479	76.236	74.108	44.575	1.00	22.74
ATOM	5766	CG1	VAL	1479	75.022	73.222	44.365	1.00	23.03
ATOM	5767	CG2	VAL	1479	76.209	75.240	43.567	1.00	26.07
ATOM	5768	C	VAL	1479	76.258	73.484	46.974	1.00	19.18
ATOM	5769	O	VAL	1479	75.302	73.271	47.718	1.00	22.44
ATOM	5770	N	ARG	1480	77.364	72.748	46.988	1.00	16.57
ATOM	5771	CA	ARG	1480	77.491	71.593	47.872	1.00	15.29
ATOM	5772	CB	ARG	1480	78.815	70.881	47.628	1.00	10.45
ATOM	5773	CG	ARG	1480	78.930	70.342	46.217	1.00	9.69
ATOM	5774	CD	ARG	1480	80.084	69.386	46.086	1.00	16.38
ATOM	5775	NE	ARG	1480	81.362	70.000	46.434	1.00	21.07
ATOM	5776	CZ	ARG	1480	82.036	70.818	45.632	1.00	25.55
ATOM	5777	NH1	ARG	1480	81.551	71.129	44.433	1.00	27.33
ATOM	5778	NH2	ARG	1480	83.198	71.322	46.026	1.00	26.79
ATOM	5779	C	ARG	1480	77.343	71.961	49.345	1.00	16.36

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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Applicants : Keith P. Wilson et al. Docket No. : VPI/96-03 DIV2
 Application No. : 09/678,016 Filed : October 2, 2000
 For : MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
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 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 99/118

FIG. 1A-99

ATOM	5780	O	ARG	1480	76.749	71.215	50.121	1.00	18.23
ATOM	5781	N	ALA	1481	77.855	73.126	49.724	1.00	17.05
ATOM	5782	CA	ALA	1481	77.767	73.594	51.103	1.00	15.72
ATOM	5783	CB	ALA	1481	78.547	74.874	51.265	1.00	14.94
ATOM	5784	C	ALA	1481	76.311	73.811	51.507	1.00	16.85
ATOM	5785	O	ALA	1481	75.902	73.446	52.612	1.00	16.33
ATOM	5786	N	MET	1482	75.541	74.409	50.604	1.00	16.63
ATOM	5787	CA	MET	1482	74.129	74.678	50.837	1.00	16.66
ATOM	5788	CB	MET	1482	73.578	75.588	49.745	1.00	16.75
ATOM	5789	CG	MET	1482	74.147	76.989	49.757	1.00	16.82
ATOM	5790	SD	MET	1482	73.715	77.910	48.286	1.00	20.66
ATOM	5791	CE	MET	1482	71.961	77.896	48.402	1.00	17.74
ATOM	5792	C	MET	1482	73.327	73.386	50.867	1.00	17.97
ATOM	5793	O	MET	1482	72.324	73.286	51.576	1.00	18.54
ATOM	5794	N	MET	1483	73.753	72.404	50.081	1.00	16.86
ATOM	5795	CA	MET	1483	73.061	71.126	50.046	1.00	18.50
ATOM	5796	CB	MET	1483	73.510	70.306	48.832	1.00	20.94
ATOM	5797	CG	MET	1483	72.920	68.905	48.753	1.00	21.75
ATOM	5798	SD	MET	1483	74.049	67.613	49.328	1.00	25.70
ATOM	5799	CE	MET	1483	73.300	67.145	50.866	1.00	28.55
ATOM	5800	C	MET	1483	73.301	70.366	51.347	1.00	18.59
ATOM	5801	O	MET	1483	72.349	70.004	52.041	1.00	19.17
ATOM	5802	N	TYR	1484	74.569	70.174	51.703	1.00	17.46
ATOM	5803	CA	TYR	1484	74.924	69.459	52.929	1.00	17.19
ATOM	5804	CB	TYR	1484	76.447	69.295	53.052	1.00	14.82
ATOM	5805	CG	TYR	1484	77.058	68.304	52.068	1.00	12.90
ATOM	5806	CD1	TYR	1484	76.709	66.952	52.087	1.00	11.22
ATOM	5807	CE1	TYR	1484	77.286	66.040	51.195	1.00	4.92
ATOM	5808	CD2	TYR	1484	77.998	68.717	51.132	1.00	11.91
ATOM	5809	CE2	TYR	1484	78.578	67.817	50.244	1.00	8.93
ATOM	5810	CZ	TYR	1484	78.220	66.486	50.283	1.00	9.49
ATOM	5811	OH	TYR	1484	78.824	65.617	49.411	1.00	16.42
ATOM	5812	C	TYR	1484	74.342	70.094	54.196	1.00	17.55
ATOM	5813	O	TYR	1484	73.985	69.386	55.137	1.00	20.47
ATOM	5814	N	SER	1485	74.255	71.419	54.223	1.00	16.85
ATOM	5815	CA	SER	1485	73.693	72.128	55.367	1.00	15.90
ATOM	5816	CB	SER	1485	73.993	73.619	55.260	1.00	16.94
ATOM	5817	OG	SER	1485	73.387	74.177	54.100	1.00	20.34
ATOM	5818	C	SER	1485	72.185	71.943	55.375	1.00	16.36
ATOM	5819	O	SER	1485	71.520	72.200	56.374	1.00	15.00
ATOM	5820	N	GLY	1486	71.645	71.562	54.223	1.00	18.94
ATOM	5821	CA	GLY	1486	70.213	71.363	54.101	1.00	19.06
ATOM	5822	C	GLY	1486	69.528	72.559	53.469	1.00	20.47
ATOM	5823	O	GLY	1486	68.349	72.482	53.105	1.00	21.02
ATOM	5824	N	GLU	1487	70.268	73.655	53.306	1.00	19.69
ATOM	5825	CA	GLU	1487	69.717	74.868	52.716	1.00	17.15
ATOM	5826	CB	GLU	1487	70.761	75.970	52.669	1.00	15.86
ATOM	5827	CG	GLU	1487	70.258	77.209	51.946	1.00	16.32
ATOM	5828	CD	GLU	1487	71.152	78.412	52.111	1.00	17.63
ATOM	5829	OE1	GLU	1487	72.336	78.241	52.488	1.00	21.20
ATOM	5830	OE2	GLU	1487	70.658	79.536	51.866	1.00	20.22
ATOM	5831	C	GLU	1487	69.131	74.669	51.325	1.00	17.26
ATOM	5832	O	GLU	1487	68.021	75.127	51.053	1.00	18.70
ATOM	5833	N	LEU	1488	69.901	74.056	50.431	1.00	15.56
ATOM	5834	CA	LEU	1488	69.429	73.808	49.076	1.00	13.65
ATOM	5835	CB	LEU	1488	70.553	73.244	48.207	1.00	10.67
ATOM	5836	CG	LEU	1488	70.361	73.271	46.691	1.00	9.52
ATOM	5837	CD1	LEU	1488	70.425	74.691	46.200	1.00	9.10
ATOM	5838	CD2	LEU	1488	71.446	72.456	46.021	1.00	9.59

APPROVED	O G. FIG.	
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FIG. 1A-100

ATOM	5839	C	LEU	1488	68.307	72.787	49.221	1.00	15.23
ATOM	5840	O	LEU	1488	68.473	71.779	49.912	1.00	16.81
ATOM	5841	N	LYS	1489	67.158	73.074	48.617	1.00	13.29
ATOM	5842	CA	LYS	1489	66.008	72.186	48.695	1.00	12.48
ATOM	5843	CB	LYS	1489	64.798	72.959	49.209	1.00	11.34
ATOM	5844	CG	LYS	1489	64.876	73.337	50.681	1.00	11.57
ATOM	5845	CD	LYS	1489	64.740	72.104	51.568	1.00	16.04
ATOM	5846	CE	LYS	1489	64.503	72.469	53.025	1.00	15.13
ATOM	5847	NZ	LYS	1489	65.702	73.077	53.666	1.00	18.46
ATOM	5848	C	LYS	1489	65.694	71.562	47.344	1.00	13.92
ATOM	5849	O	LYS	1489	65.850	72.208	46.310	1.00	15.51
ATOM	5850	N	PHE	1490	65.249	70.307	47.366	1.00	14.08
ATOM	5851	CA	PHE	1490	64.903	69.550	46.163	1.00	13.44
ATOM	5852	CB	PHE	1490	65.772	68.304	46.044	1.00	13.69
ATOM	5853	CG	PHE	1490	67.229	68.579	45.960	1.00	13.40
ATOM	5854	CD1	PHE	1490	67.936	68.979	47.082	1.00	13.78
ATOM	5855	CD2	PHE	1490	67.908	68.394	44.762	1.00	14.98
ATOM	5856	CE1	PHE	1490	69.303	69.193	47.016	1.00	14.99
ATOM	5857	CE2	PHE	1490	69.283	68.604	44.683	1.00	15.84
ATOM	5858	CZ	PHE	1490	69.979	69.003	45.810	1.00	15.19
ATOM	5859	C	PHE	1490	63.464	69.061	46.240	1.00	14.19
ATOM	5860	O	PHE	1490	62.866	69.020	47.315	1.00	13.40
ATOM	5861	N	GLU	1491	62.937	68.611	45.109	1.00	14.95
ATOM	5862	CA	GLU	1491	61.585	68.072	45.062	1.00	16.53
ATOM	5863	CB	GLU	1491	60.559	69.180	44.844	1.00	15.55
ATOM	5864	CG	GLU	1491	59.148	68.662	44.957	1.00	15.94
ATOM	5865	CD	GLU	1491	58.131	69.757	45.021	1.00	17.10
ATOM	5866	OE1	GLU	1491	57.873	70.392	43.986	1.00	22.71
ATOM	5867	OE2	GLU	1491	57.585	69.984	46.110	1.00	17.64
ATOM	5868	C	GLU	1491	61.458	67.002	43.979	1.00	17.22
ATOM	5869	O	GLU	1491	61.933	67.183	42.858	1.00	18.10
ATOM	5870	N	LYS	1492	60.857	65.870	44.331	1.00	18.86
ATOM	5871	CA	LYS	1492	60.675	64.771	43.385	1.00	20.24
ATOM	5872	CB	LYS	1492	59.955	63.588	44.045	1.00	21.24
ATOM	5873	CG	LYS	1492	60.671	62.965	45.228	1.00	29.14
ATOM	5874	CD	LYS	1492	59.814	61.878	45.880	1.00	40.81
ATOM	5875	CE	LYS	1492	60.384	61.403	47.225	1.00	47.79
ATOM	5876	NZ	LYS	1492	59.540	60.341	47.876	1.00	51.47
ATOM	5877	C	LYS	1492	59.863	65.245	42.189	1.00	21.19
ATOM	5878	O	LYS	1492	59.241	66.304	42.225	1.00	22.42
ATOM	5879	N	ARG	1493	59.812	64.418	41.155	1.00	22.65
ATOM	5880	CA	ARG	1493	59.090	64.758	39.944	1.00	20.77
ATOM	5881	CB	ARG	1493	60.090	65.283	38.907	1.00	17.58
ATOM	5882	CG	ARG	1493	59.509	66.229	37.886	1.00	21.05
ATOM	5883	CD	ARG	1493	60.557	67.199	37.349	1.00	13.84
ATOM	5884	NE	ARG	1493	61.609	66.516	36.612	1.00	15.28
ATOM	5885	CZ	ARG	1493	62.023	66.864	35.395	1.00	19.75
ATOM	5886	NH1	ARG	1493	61.478	67.901	34.762	1.00	12.43
ATOM	5887	NH2	ARG	1493	62.995	66.170	34.806	1.00	22.01
ATOM	5888	C	ARG	1493	58.361	63.526	39.411	1.00	22.38
ATOM	5889	O	ARG	1493	58.986	62.534	39.036	1.00	24.72
ATOM	5890	N	THR	1494	57.035	63.554	39.460	1.00	21.33
ATOM	5891	CA	THR	1494	56.240	62.449	38.938	1.00	17.93
ATOM	5892	CB	THR	1494	54.767	62.647	39.278	1.00	13.07
ATOM	5893	OG1	THR	1494	54.283	63.821	38.613	1.00	16.64
ATOM	5894	CG2	THR	1494	54.590	62.840	40.758	1.00	9.17
ATOM	5895	C	THR	1494	56.397	62.517	37.418	1.00	19.78
ATOM	5896	O	THR	1494	56.855	63.534	36.893	1.00	21.83
ATOM	5897	N	SER	1495	55.998	61.470	36.701	1.00	21.91

APPROVED	O. G. FIG.	
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FIG. 1A-101

ATOM	5898	CA	SER	1495	56.108	61.482	35.243	1.00	22.93
ATOM	5899	CB	SER	1495	55.591	60.187	34.637	1.00	22.00
ATOM	5900	OG	SER	1495	56.544	59.159	34.813	1.00	29.94
ATOM	5901	C	SER	1495	55.356	62.665	34.653	1.00	25.21
ATOM	5902	O	SER	1495	55.863	63.339	33.757	1.00	26.52
ATOM	5903	N	SER	1496	54.151	62.922	35.154	1.00	25.45
ATOM	5904	CA	SER	1496	53.376	64.056	34.681	1.00	24.09
ATOM	5905	CB	SER	1496	52.026	64.125	35.397	1.00	24.76
ATOM	5906	OG	SER	1496	51.146	63.121	34.928	1.00	24.43
ATOM	5907	C	SER	1496	54.201	65.317	34.946	1.00	23.62
ATOM	5908	O	SER	1496	54.329	66.172	34.071	1.00	26.31
ATOM	5909	N	ALA	1497	54.811	65.405	36.125	1.00	20.98
ATOM	5910	CA	ALA	1497	55.637	66.561	36.462	1.00	20.31
ATOM	5911	CB	ALA	1497	56.022	66.526	37.931	1.00	20.07
ATOM	5912	C	ALA	1497	56.885	66.612	35.564	1.00	19.59
ATOM	5913	O	ALA	1497	57.508	67.665	35.404	1.00	18.61
ATOM	5914	N	GLN	1498	57.244	65.469	34.985	1.00	18.72
ATOM	5915	CA	GLN	1498	58.388	65.390	34.078	1.00	20.53
ATOM	5916	CB	GLN	1498	58.963	63.965	34.035	1.00	22.06
ATOM	5917	CG	GLN	1498	59.614	63.495	35.334	1.00	22.10
ATOM	5918	CD	GLN	1498	60.314	62.146	35.192	1.00	24.33
ATOM	5919	OE1	GLN	1498	60.366	61.348	36.136	1.00	28.22
ATOM	5920	NE2	GLN	1498	60.864	61.890	34.018	1.00	25.10
ATOM	5921	C	GLN	1498	57.959	65.822	32.668	1.00	19.53
ATOM	5922	O	GLN	1498	58.644	66.610	32.011	1.00	17.18
ATOM	5923	N	VAL	1499	56.807	65.327	32.225	1.00	19.64
ATOM	5924	CA	VAL	1499	56.260	65.664	30.912	1.00	21.79
ATOM	5925	CB	VAL	1499	54.935	64.916	30.648	1.00	24.74
ATOM	5926	CG1	VAL	1499	54.392	65.273	29.271	1.00	28.60
ATOM	5927	CG2	VAL	1499	55.146	63.416	30.752	1.00	23.82
ATOM	5928	C	VAL	1499	55.989	67.165	30.866	1.00	21.34
ATOM	5929	O	VAL	1499	56.251	67.836	29.871	1.00	20.70
ATOM	5930	N	GLU	1500	55.469	67.679	31.970	1.00	23.11
ATOM	5931	CA	GLU	1500	55.168	69.089	32.100	1.00	24.20
ATOM	5932	CB	GLU	1500	54.407	69.337	33.397	1.00	21.44
ATOM	5933	CG	GLU	1500	54.165	70.797	33.682	1.00	20.79
ATOM	5934	CD	GLU	1500	53.539	71.018	35.029	1.00	22.34
ATOM	5935	OE1	GLU	1500	54.295	71.197	36.010	1.00	19.52
ATOM	5936	OE2	GLU	1500	52.289	71.013	35.109	1.00	25.92
ATOM	5937	C	GLU	1500	56.439	69.931	32.093	1.00	26.10
ATOM	5938	O	GLU	1500	56.414	71.097	31.692	1.00	29.46
ATOM	5939	N	GLY	1501	57.529	69.361	32.594	1.00	25.56
ATOM	5940	CA	GLY	1501	58.782	70.089	32.637	1.00	25.86
ATOM	5941	C	GLY	1501	59.460	70.189	31.284	1.00	26.27
ATOM	5942	O	GLY	1501	60.303	71.064	31.065	1.00	26.75
ATOM	5943	N	GLY	1502	59.127	69.270	30.386	1.00	25.70
ATOM	5944	CA	GLY	1502	59.720	69.302	29.066	1.00	24.56
ATOM	5945	C	GLY	1502	58.752	69.921	28.084	1.00	24.73
ATOM	5946	O	GLY	1502	57.611	70.224	28.444	1.00	24.99
ATOM	5947	N	VAL	1503	59.192	70.112	26.846	1.00	23.11
ATOM	5948	CA	VAL	1503	58.327	70.685	25.836	1.00	23.44
ATOM	5949	CB	VAL	1503	59.041	70.797	24.492	1.00	19.90
ATOM	5950	CG1	VAL	1503	58.095	71.365	23.450	1.00	21.64
ATOM	5951	CG2	VAL	1503	60.264	71.678	24.637	1.00	14.59
ATOM	5952	C	VAL	1503	57.092	69.798	25.697	1.00	27.31
ATOM	5953	O	VAL	1503	57.186	68.568	25.736	1.00	27.96
ATOM	5954	N	HIS	1504	55.932	70.429	25.558	1.00	28.89
ATOM	5955	CA	HIS	1504	54.682	69.702	25.431	1.00	30.28
ATOM	5956	CB	HIS	1504	54.257	69.149	26.799	1.00	26.93

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filing Date: October 2, 2000
 : MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 102/118

FIG. 1A-102

ATOM	5957	CG	HIS	1504	54.047	70.203	27.850	1.00	24.05
ATOM	5958	CD2	HIS	1504	54.848	70.636	28.851	1.00	23.41
ATOM	5959	ND1	HIS	1504	52.870	70.913	27.970	1.00	21.05
ATOM	5960	CE1	HIS	1504	52.957	71.734	29.002	1.00	19.17
ATOM	5961	NE2	HIS	1504	54.146	71.585	29.555	1.00	17.87
ATOM	5962	C	HIS	1504	53.577	70.595	24.891	1.00	33.15
ATOM	5963	O	HIS	1504	53.683	71.817	24.937	1.00	33.63
ATOM	5964	N	SER	1505	52.527	69.971	24.363	1.00	36.01
ATOM	5965	CA	SER	1505	51.355	70.683	23.855	1.00	39.13
ATOM	5966	CB	SER	1505	50.766	71.540	24.978	1.00	41.06
ATOM	5967	OG	SER	1505	50.603	70.761	26.158	1.00	43.13
ATOM	5968	C	SER	1505	51.558	71.522	22.591	1.00	39.96
ATOM	5969	O	SER	1505	50.737	72.391	22.268	1.00	42.24
ATOM	5970	N	LEU	1506	52.625	71.228	21.858	1.00	38.97
ATOM	5971	CA	LEU	1506	52.928	71.943	20.629	1.00	37.89
ATOM	5972	CB	LEU	1506	54.389	72.400	20.626	1.00	34.20
ATOM	5973	CG	LEU	1506	54.817	73.321	21.768	1.00	33.10
ATOM	5974	CD1	LEU	1506	56.290	73.647	21.623	1.00	32.84
ATOM	5975	CD2	LEU	1506	53.974	74.597	21.772	1.00	33.22
ATOM	5976	C	LEU	1506	52.671	71.024	19.444	1.00	38.79
ATOM	5977	O	LEU	1506	52.590	69.807	19.600	1.00	40.77
ATOM	5978	N	HIS	1507	52.501	71.610	18.267	1.00	38.76
ATOM	5979	CA	HIS	1507	52.277	70.833	17.064	1.00	38.33
ATOM	5980	CB	HIS	1507	51.428	71.623	16.079	1.00	36.69
ATOM	5981	CG	HIS	1507	51.148	70.886	14.812	1.00	37.52
ATOM	5982	CD2	HIS	1507	51.836	70.819	13.649	1.00	36.79
ATOM	5983	ND1	HIS	1507	50.062	70.054	14.668	1.00	39.80
ATOM	5984	CE1	HIS	1507	50.093	69.501	13.467	1.00	42.20
ATOM	5985	NE2	HIS	1507	51.160	69.950	12.828	1.00	39.42
ATOM	5986	C	HIS	1507	53.628	70.488	16.436	1.00	40.28
ATOM	5987	O	HIS	1507	53.735	69.574	15.619	1.00	41.56
ATOM	5988	N	SER	1508	54.643	71.264	16.795	1.00	40.86
ATOM	5989	CA	SER	1508	56.006	71.085	16.311	1.00	40.77
ATOM	5990	CB	SER	1508	56.075	71.209	14.782	1.00	43.11
ATOM	5991	OG	SER	1508	55.586	72.461	14.328	1.00	46.02
ATOM	5992	C	SER	1508	56.818	72.186	16.963	1.00	40.37
ATOM	5993	O	SER	1508	56.250	73.152	17.472	1.00	39.76
ATOM	5994	N	TYR	1509	58.136	72.044	16.957	1.00	41.93
ATOM	5995	CA	TYR	1509	59.001	73.037	17.569	1.00	44.96
ATOM	5996	CB	TYR	1509	58.817	73.039	19.090	1.00	42.23
ATOM	5997	CG	TYR	1509	59.187	71.736	19.772	1.00	40.95
ATOM	5998	CD1	TYR	1509	58.297	70.663	19.800	1.00	40.13
ATOM	5999	CE1	TYR	1509	58.621	69.474	20.452	1.00	39.44
ATOM	6000	CD2	TYR	1509	60.420	71.587	20.411	1.00	39.93
ATOM	6001	CE2	TYR	1509	60.755	70.403	21.065	1.00	37.74
ATOM	6002	CZ	TYR	1509	59.852	69.350	21.084	1.00	37.07
ATOM	6003	OH	TYR	1509	60.173	68.183	21.744	1.00	34.33
ATOM	6004	C	TYR	1509	60.462	72.782	17.243	1.00	48.47
ATOM	6005	O	TYR	1509	60.834	71.688	16.810	1.00	49.70
ATOM	6006	N	GLU	1510	61.279	73.809	17.443	1.00	51.00
ATOM	6007	CA	GLU	1510	62.709	73.723	17.213	1.00	53.89
ATOM	6008	CB	GLU	1510	63.194	74.861	16.298	1.00	57.15
ATOM	6009	CG	GLU	1510	62.659	74.847	14.866	1.00	63.16
ATOM	6010	CD	GLU	1510	61.265	75.448	14.728	1.00	65.36
ATOM	6011	OE1	GLU	1510	60.287	74.674	14.650	1.00	67.81
ATOM	6012	OE2	GLU	1510	61.149	76.694	14.677	1.00	65.33
ATOM	6013	C	GLU	1510	63.361	73.881	18.579	1.00	54.90
ATOM	6014	O	GLU	1510	63.159	74.902	19.247	1.00	53.02
ATOM	6015	N	LYS	1511	64.059	72.848	19.037	1.00	57.49

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filed October 2, 2000
 For MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 103/118

FIG. 1A-103

ATOM	6016	CA	LYS	1511	64.748	72.939	20.316	1.00	61.49
ATOM	6017	CB	LYS	1511	64.687	71.622	21.097	1.00	60.99
ATOM	6018	CG	LYS	1511	65.450	71.678	22.425	1.00	61.77
ATOM	6019	CD	LYS	1511	64.736	70.941	23.554	1.00	62.61
ATOM	6020	CE	LYS	1511	64.610	69.451	23.290	1.00	62.49
ATOM	6021	NZ	LYS	1511	63.891	68.781	24.404	1.00	59.52
ATOM	6022	C	LYS	1511	66.184	73.322	19.989	1.00	64.39
ATOM	6023	O	LYS	1511	66.991	72.475	19.609	1.00	64.69
ATOM	6024	N	ARG	1512	66.462	74.621	20.073	1.00	67.99
ATOM	6025	CA	ARG	1512	67.778	75.174	19.769	1.00	71.02
ATOM	6026	CB	ARG	1512	67.660	76.148	18.587	1.00	72.88
ATOM	6027	CG	ARG	1512	68.917	76.940	18.264	1.00	76.14
ATOM	6028	CD	ARG	1512	68.686	77.854	17.070	1.00	77.65
ATOM	6029	NE	ARG	1512	69.670	78.931	17.012	1.00	78.89
ATOM	6030	CZ	ARG	1512	69.434	80.130	16.489	1.00	79.72
ATOM	6031	NH1	ARG	1512	70.386	81.052	16.487	1.00	81.31
ATOM	6032	NH2	ARG	1512	68.246	80.411	15.967	1.00	80.18
ATOM	6033	C	ARG	1512	68.351	75.882	20.994	1.00	72.40
ATOM	6034	O	ARG	1512	67.735	76.808	21.536	1.00	73.61
ATOM	6035	N	LEU	1513	69.526	75.431	21.425	1.00	72.64
ATOM	6036	CA	LEU	1513	70.202	75.995	22.589	1.00	72.96
ATOM	6037	CB	LEU	1513	70.450	74.903	23.633	1.00	74.17
ATOM	6038	CG	LEU	1513	69.907	75.114	25.046	1.00	75.57
ATOM	6039	CD1	LEU	1513	70.459	76.390	25.644	1.00	74.67
ATOM	6040	CD2	LEU	1513	68.403	75.154	25.002	1.00	76.98
ATOM	6041	C	LEU	1513	71.540	76.569	22.157	1.00	72.37
ATOM	6042	O	LEU	1513	72.330	75.870	21.524	1.00	74.72
ATOM	6043	N	PHE	1514	71.786	77.831	22.493	1.00	70.03
ATOM	6044	CA	PHE	1514	73.035	78.501	22.150	1.00	69.17
ATOM	6045	CB	PHE	1514	74.187	77.962	23.022	1.00	68.65
ATOM	6046	CG	PHE	1514	75.234	77.176	22.266	1.00	69.27
ATOM	6047	CD1	PHE	1514	76.334	77.821	21.704	1.00	69.25
ATOM	6048	CD2	PHE	1514	75.139	75.790	22.144	1.00	68.83
ATOM	6049	CE1	PHE	1514	77.322	77.102	21.032	1.00	69.55
ATOM	6050	CE2	PHE	1514	76.124	75.058	21.472	1.00	67.98
ATOM	6051	CZ	PHE	1514	77.217	75.716	20.917	1.00	68.62
ATOM	6052	C	PHE	1514	73.358	78.403	20.663	1.00	69.23
ATOM	6053	O	PHE	1514	72.555	78.935	19.871	1.00	69.84

MYCOPHENOLIC ACID COORDINATES

ATOM	6054	C1	MPA	600	65.465	77.946	82.675	1.00	22.52
ATOM	6055	C2	MPA	600	64.965	82.390	86.174	1.00	28.62
ATOM	6056	C3	MPA	600	65.184	83.667	86.507	1.00	27.05
ATOM	6057	C4	MPA	600	64.287	84.707	85.868	1.00	28.54
ATOM	6058	C5	MPA	600	65.137	85.590	84.963	1.00	30.58
ATOM	6059	C6	MPA	600	65.253	85.045	83.556	1.00	30.28
ATOM	6060	C7	MPA	600	69.774	80.138	83.532	1.00	16.82
ATOM	6061	C8	MPA	600	68.434	82.955	84.968	1.00	25.41
ATOM	6062	C9	MPA	600	66.289	84.104	87.463	1.00	21.05
ATOM	6063	C10	MPA	600	67.752	78.112	82.103	1.00	22.44
ATOM	6064	C11	MPA	600	67.453	79.077	83.229	1.00	23.81
ATOM	6065	C12	MPA	600	68.329	79.977	83.900	1.00	22.85
ATOM	6066	C13	MPA	600	67.789	80.724	84.953	1.00	19.51
ATOM	6067	C14	MPA	600	66.447	80.564	85.334	1.00	20.51
ATOM	6068	C15	MPA	600	65.599	79.682	84.658	1.00	21.29
ATOM	6069	C16	MPA	600	66.128	78.943	83.588	1.00	20.87
ATOM	6070	C17	MPA	600	65.922	81.277	86.548	1.00	26.71

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 1A-104

ATOM	6071	O1	MPA	600	64.326	77.614	82.588	1.00	24.71
ATOM	6072	O2	MPA	600	66.444	77.474	81.897	1.00	22.84
ATOM	6073	O3	MPA	600	68.589	81.644	85.549	1.00	22.76
ATOM	6074	O4	MPA	600	64.288	79.552	85.100	1.00	22.58
ATOM	6075	O5	MPA	600	64.203	84.705	82.966	1.00	29.39
ATOM	6076	O6	MPA	600	66.393	84.955	83.045	1.00	26.99
ATOM	6077	C1	MPA	1600	79.693	50.178	33.345	1.00	26.44
ATOM	6078	C2	MPA	1600	83.159	47.108	29.935	1.00	29.82
ATOM	6079	C3	MPA	1600	84.293	46.491	29.575	1.00	34.15
ATOM	6080	C4	MPA	1600	84.532	45.067	30.003	1.00	37.23
ATOM	6081	C5	MPA	1600	85.484	45.043	31.192	1.00	40.84
ATOM	6082	C6	MPA	1600	84.826	45.492	32.482	1.00	44.96
ATOM	6083	C7	MPA	1600	84.075	52.238	32.906	1.00	17.32
ATOM	6084	C8	MPA	1600	85.729	49.609	31.503	1.00	27.67
ATOM	6085	C9	MPA	1600	85.387	47.148	28.760	1.00	35.11
ATOM	6086	C10	MPA	1600	81.252	51.809	34.093	1.00	28.90
ATOM	6087	C11	MPA	1600	81.874	51.061	32.928	1.00	26.34
ATOM	6088	C12	MPA	1600	83.142	51.217	32.355	1.00	22.18
ATOM	6089	C13	MPA	1600	83.489	50.344	31.304	1.00	24.79
ATOM	6090	C14	MPA	1600	82.574	49.363	30.850	1.00	26.59
ATOM	6091	C15	MPA	1600	81.294	49.201	31.461	1.00	29.67
ATOM	6092	C16	MPA	1600	80.967	50.093	32.513	1.00	28.76
ATOM	6093	C17	MPA	1600	82.921	48.553	29.618	1.00	25.16
ATOM	6094	O1	MPA	1600	78.656	49.607	33.246	1.00	25.25
ATOM	6095	O2	MPA	1600	79.927	51.146	34.238	1.00	27.50
ATOM	6096	O3	MPA	1600	84.766	50.358	30.746	1.00	26.41
ATOM	6097	O4	MPA	1600	80.486	48.095	31.123	1.00	27.52
ATOM	6098	O5	MPA	1600	83.932	44.764	32.975	1.00	45.51
ATOM	6099	O6	MPA	1600	85.195	46.576	33.001	1.00	44.94

POTASSIUM ION COORDINATES

ATOM	6100	K	POT	601	63.503	70.962	85.991	1.00	41.47
ATOM	6101	K	POT	602	72.494	52.620	29.752	1.00	37.46

WATER MOLECULE COORDINATES

ATOM	6102	OH2	TIP3	603	63.529	79.256	47.792	1.00	13.93
ATOM	6103	OH2	TIP3	604	91.351	74.319	96.225	1.00	20.69
ATOM	6104	OH2	TIP3	605	72.344	46.035	101.631	1.00	17.67
ATOM	6105	OH2	TIP3	606	85.033	54.784	29.616	1.00	20.16
ATOM	6106	OH2	TIP3	607	96.774	41.059	42.265	1.00	21.27
ATOM	6107	OH2	TIP3	608	64.807	62.160	83.369	1.00	22.21
ATOM	6108	OH2	TIP3	609	74.275	63.885	63.004	1.00	27.93
ATOM	6109	OH2	TIP3	610	87.085	56.492	64.953	1.00	59.52
ATOM	6110	OH2	TIP3	611	68.730	96.796	74.318	1.00	25.43
ATOM	6111	OH2	TIP3	612	91.223	66.176	88.226	1.00	23.25
ATOM	6112	OH2	TIP3	613	66.928	74.617	83.416	1.00	21.39
ATOM	6113	OH2	TIP3	614	71.384	87.659	97.919	1.00	52.73
ATOM	6114	OH2	TIP3	615	70.964	58.275	81.606	1.00	37.09
ATOM	6115	OH2	TIP3	616	66.840	52.566	68.535	1.00	30.80
ATOM	6116	OH2	TIP3	617	72.339	79.150	86.746	1.00	26.56
ATOM	6117	OH2	TIP3	618	77.701	57.856	53.021	1.00	59.36
ATOM	6118	OH2	TIP3	619	88.760	76.344	71.423	1.00	25.83
ATOM	6119	OH2	TIP3	620	85.731	78.904	27.766	1.00	53.37
ATOM	6120	OH2	TIP3	621	92.864	86.761	83.337	1.00	50.40
ATOM	6121	OH2	TIP3	622	52.798	60.668	36.659	1.00	44.29

APPROVED	O. G. FIG.	
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FIG. 1A-105

ATOM	6122	OH2	TIP3	623	90.156	46.925	37.917	1.00	54.24
ATOM	6123	OH2	TIP3	624	66.346	64.284	84.367	1.00	41.00
ATOM	6124	OH2	TIP3	625	78.607	68.770	56.915	1.00	48.73
ATOM	6125	OH2	TIP3	626	85.421	51.000	81.149	1.00	29.22
ATOM	6126	OH2	TIP3	627	81.905	76.656	101.724	1.00	40.26
ATOM	6127	OH2	TIP3	628	69.287	88.078	78.412	1.00	41.23
ATOM	6128	OH2	TIP3	629	79.428	72.947	68.392	1.00	18.91
ATOM	6129	OH2	TIP3	630	68.417	98.204	82.153	1.00	40.95
ATOM	6130	OH2	TIP3	631	74.926	65.022	60.600	1.00	56.88
ATOM	6131	OH2	TIP3	632	97.224	50.021	75.346	1.00	35.64
ATOM	6132	OH2	TIP3	633	71.296	88.279	64.915	1.00	54.34
ATOM	6133	OH2	TIP3	634	80.899	65.865	59.607	1.00	32.10
ATOM	6134	OH2	TIP3	635	66.483	65.049	30.246	1.00	20.26
ATOM	6135	OH2	TIP3	636	93.787	75.011	36.209	1.00	40.10
ATOM	6136	OH2	TIP3	637	83.837	45.961	49.613	1.00	30.53
ATOM	6137	OH2	TIP3	638	110.170	56.656	42.696	1.00	41.92
ATOM	6138	OH2	TIP3	639	84.500	64.574	47.772	1.00	42.47
ATOM	6139	OH2	TIP3	640	84.650	68.995	68.569	1.00	22.92
ATOM	6140	OH2	TIP3	641	75.389	62.003	106.019	1.00	64.07
ATOM	6141	OH2	TIP3	642	65.093	83.895	66.370	1.00	35.20
ATOM	6142	OH2	TIP3	643	79.572	69.513	68.092	1.00	41.73
ATOM	6143	OH2	TIP3	644	81.705	69.807	13.345	1.00	75.61
ATOM	6144	OH2	TIP3	645	79.766	83.945	66.824	1.00	38.58
ATOM	6145	OH2	TIP3	646	76.630	91.036	98.006	1.00	30.86
ATOM	6146	OH2	TIP3	647	92.426	72.749	82.096	1.00	23.28
ATOM	6147	OH2	TIP3	648	92.577	69.692	44.133	1.00	36.85
ATOM	6148	OH2	TIP3	649	82.576	41.782	29.517	1.00	39.32
ATOM	6149	OH2	TIP3	650	65.551	66.516	32.182	1.00	34.30
ATOM	6150	OH2	TIP3	651	61.739	81.979	81.423	1.00	21.79
ATOM	6151	OH2	TIP3	652	74.532	61.047	62.982	1.00	23.13
ATOM	6152	OH2	TIP3	653	73.416	69.959	84.520	1.00	24.72
ATOM	6153	OH2	TIP3	654	87.526	78.696	87.501	1.00	28.42
ATOM	6154	OH2	TIP3	655	73.301	97.166	75.481	1.00	29.52
ATOM	6155	OH2	TIP3	656	80.797	97.236	80.169	1.00	36.44
ATOM	6156	OH2	TIP3	657	72.410	82.003	80.433	1.00	39.64
ATOM	6157	OH2	TIP3	658	70.797	81.205	86.943	1.00	26.15
ATOM	6158	OH2	TIP3	659	69.119	86.448	85.434	1.00	37.81
ATOM	6159	OH2	TIP3	660	65.869	78.967	75.344	1.00	39.42
ATOM	6160	OH2	TIP3	661	87.122	84.588	70.107	1.00	41.94
ATOM	6161	OH2	TIP3	662	66.313	71.983	78.252	1.00	15.40
ATOM	6162	OH2	TIP3	663	61.479	73.532	84.529	1.00	24.10
ATOM	6163	OH2	TIP3	664	73.933	69.027	88.128	1.00	25.97
ATOM	6164	OH2	TIP3	665	63.498	69.506	79.814	1.00	26.48
ATOM	6165	OH2	TIP3	666	61.100	68.368	79.010	1.00	45.05
ATOM	6166	OH2	TIP3	667	73.033	68.873	79.995	1.00	10.40
ATOM	6167	OH2	TIP3	668	75.053	67.738	67.556	1.00	25.98
ATOM	6168	OH2	TIP3	669	70.945	65.926	61.108	1.00	30.20
ATOM	6169	OH2	TIP3	670	79.966	71.965	70.861	1.00	14.26
ATOM	6170	OH2	TIP3	671	73.205	58.622	82.862	1.00	34.10
ATOM	6171	OH2	TIP3	672	77.591	58.927	88.294	1.00	31.75
ATOM	6172	OH2	TIP3	673	82.216	67.818	102.675	1.00	31.66
ATOM	6173	OH2	TIP3	674	82.356	78.417	96.074	1.00	45.06
ATOM	6174	OH2	TIP3	675	74.350	76.446	100.156	1.00	20.12
ATOM	6175	OH2	TIP3	676	73.281	74.984	103.568	1.00	37.74
ATOM	6176	OH2	TIP3	677	67.784	70.872	110.507	1.00	50.41
ATOM	6177	OH2	TIP3	678	78.658	70.113	110.447	1.00	37.54
ATOM	6178	OH2	TIP3	679	68.600	84.196	101.581	1.00	67.03
ATOM	6179	OH2	TIP3	680	68.093	85.770	90.932	1.00	32.35
ATOM	6180	OH2	TIP3	681	60.473	85.655	86.947	1.00	34.10

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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Applicants : Keith P. Wilson et al. Docket No.: VPI/96-03 DIV2
 Application No. : 09/678,016 Filing Date : October 2, 2000
 : MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
 AND ENCODED DATA STORAGE MEDIUM CAPABLE OF
 GRAPHICALLY DISPLAYING THEM
 Attorney: James F. Haley, Jr. Reg. No. 27,794 Tel: (212) 596-9000 Sheet 106/118

FIG. 1A-106

ATOM	6181	OH2	TIP3	682	84.197	63.598	97.245	1.00	34.52
ATOM	6182	OH2	TIP3	683	90.212	55.985	83.506	1.00	56.22
ATOM	6183	OH2	TIP3	684	88.466	52.166	69.315	1.00	46.13
ATOM	6184	OH2	TIP3	685	93.732	59.819	73.153	1.00	29.48
ATOM	6185	OH2	TIP3	686	74.318	60.741	59.818	1.00	33.51
ATOM	6186	OH2	TIP3	687	84.856	56.311	60.236	1.00	55.85
ATOM	6187	OH2	TIP3	688	75.504	58.569	65.142	1.00	24.35
ATOM	6188	OH2	TIP3	689	66.245	47.634	93.849	1.00	35.24
ATOM	6189	OH2	TIP3	690	88.810	54.683	17.033	1.00	68.14
ATOM	6190	OH2	TIP3	691	83.094	60.169	17.837	1.00	42.20
ATOM	6191	OH2	TIP3	692	92.231	70.264	19.371	1.00	22.36
ATOM	6192	OH2	TIP3	693	89.874	79.054	28.213	1.00	23.97
ATOM	6193	OH2	TIP3	694	93.455	67.246	28.718	1.00	19.81
ATOM	6194	OH2	TIP3	695	104.670	51.741	36.100	1.00	54.63
ATOM	6195	OH2	TIP3	696	80.782	44.301	34.548	1.00	31.71
ATOM	6196	OH2	TIP3	697	81.029	45.306	48.967	1.00	21.33
ATOM	6197	OH2	TIP3	698	97.717	63.697	46.528	1.00	47.29
ATOM	6198	OH2	TIP3	699	93.154	58.370	49.439	1.00	29.43
ATOM	6199	OH2	TIP3	700	73.721	49.371	31.619	1.00	28.64
ATOM	6200	OH2	TIP3	701	75.341	54.478	37.368	1.00	44.88
ATOM	6201	OH2	TIP3	702	71.483	53.761	36.481	1.00	43.75
ATOM	6202	OH2	TIP3	703	70.805	48.134	29.440	1.00	45.27
ATOM	6203	OH2	TIP3	704	67.240	57.027	45.672	1.00	23.68
ATOM	6204	OH2	TIP3	705	73.938	65.367	53.641	1.00	35.21
ATOM	6205	OH2	TIP3	706	76.765	63.952	48.838	1.00	39.11
ATOM	6206	OH2	TIP3	707	86.429	64.888	41.271	1.00	47.43
ATOM	6207	OH2	TIP3	708	79.337	55.169	33.298	1.00	25.21
ATOM	6208	OH2	TIP3	709	77.021	61.621	35.635	1.00	12.75
ATOM	6209	OH2	TIP3	710	77.475	62.445	28.068	1.00	17.76
ATOM	6210	OH2	TIP3	711	65.308	68.280	34.978	1.00	60.08
ATOM	6211	OH2	TIP3	712	81.233	66.515	47.960	1.00	16.11
ATOM	6212	OH2	TIP3	713	85.329	69.050	46.064	1.00	41.01
ATOM	6213	OH2	TIP3	714	78.087	61.162	31.841	1.00	33.88
ATOM	6214	OH2	TIP3	715	83.936	58.250	16.183	1.00	19.59
ATOM	6215	OH2	TIP3	716	84.076	55.186	22.421	1.00	52.59
ATOM	6216	OH2	TIP3	717	71.928	61.664	18.579	1.00	20.02
ATOM	6217	OH2	TIP3	718	71.233	71.762	28.181	1.00	52.28
ATOM	6218	OH2	TIP3	719	82.842	72.092	48.741	1.00	29.08
ATOM	6219	OH2	TIP3	720	66.512	75.646	47.219	1.00	30.30
ATOM	6220	OH2	TIP3	721	47.558	69.374	15.382	1.00	63.67
ATOM	6221	OH2	TIP3	722	57.528	74.361	14.349	1.00	17.13
ATOM	6222	OH2	TIP3	723	92.602	74.600	98.553	1.00	40.55
ATOM	6223	OH2	TIP3	724	95.012	73.669	97.163	1.00	52.61
ATOM	6224	OH2	TIP3	725	85.703	52.369	29.241	1.00	33.33
ATOM	6225	OH2	TIP3	726	87.263	53.317	35.120	1.00	33.57
ATOM	6226	OH2	TIP3	727	97.146	44.242	39.694	1.00	51.07
ATOM	6227	OH2	TIP3	728	66.879	61.968	81.685	1.00	21.70
ATOM	6228	OH2	TIP3	729	63.716	59.555	84.121	1.00	19.58
ATOM	6229	OH2	TIP3	730	68.397	64.441	82.651	1.00	40.07
ATOM	6230	OH2	TIP3	731	71.867	59.240	59.629	1.00	50.06
ATOM	6231	OH2	TIP3	732	89.666	54.437	68.351	1.00	47.64
ATOM	6232	OH2	TIP3	733	71.067	95.544	76.431	1.00	60.59
ATOM	6233	OH2	TIP3	734	65.904	98.120	73.267	1.00	71.60
ATOM	6234	OH2	TIP3	735	92.274	63.420	87.295	1.00	34.70
ATOM	6235	OH2	TIP3	736	91.884	59.474	86.045	1.00	39.11
ATOM	6236	OH2	TIP3	737	97.536	64.003	85.787	1.00	41.08
ATOM	6237	OH2	TIP3	738	69.252	74.894	82.126	1.00	22.96
ATOM	6238	OH2	TIP3	739	71.940	55.321	80.912	1.00	34.50
ATOM	6239	OH2	TIP3	740	70.550	55.962	83.229	1.00	38.09

APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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 FOR MOLECULES COMPRISING AN IMPDH-LIKE BINDING POCKET
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FIG. 1A-107

ATOM	6240	OH2	TIP3	741	68.530	50.686	67.504	1.00	36.49
ATOM	6241	OH2	TIP3	742	67.078	49.872	64.964	1.00	43.81
ATOM	6242	OH2	TIP3	743	79.200	58.771	55.790	1.00	36.92
ATOM	6243	OH2	TIP3	744	87.067	77.893	23.397	1.00	43.96
ATOM	6244	OH2	TIP3	745	54.640	58.967	38.719	1.00	36.98
ATOM	6245	OH2	TIP3	746	51.786	59.284	33.944	1.00	44.76
ATOM	6246	OH2	TIP3	747	90.904	49.068	36.430	1.00	163.82
ATOM	6247	OH2	TIP3	748	82.871	63.204	61.483	1.00	41.80
ATOM	6248	OH2	TIP3	749	88.761	50.228	82.920	1.00	58.55
ATOM	6249	OH2	TIP3	750	81.750	74.065	103.304	1.00	39.00
ATOM	6250	OH2	TIP3	751	66.504	88.568	77.984	1.00	65.75
ATOM	6251	OH2	TIP3	752	69.412	89.769	82.897	1.00	56.13
ATOM	6252	OH2	TIP3	753	82.689	72.715	67.756	1.00	22.04
ATOM	6253	OH2	TIP3	754	93.644	47.147	67.273	1.00	54.18
ATOM	6254	OH2	TIP3	755	97.081	53.639	71.995	1.00	69.31
ATOM	6255	OH2	TIP3	756	70.064	87.291	62.433	1.00	102.37
ATOM	6256	OH2	TIP3	757	73.191	90.367	65.078	1.00	50.53
ATOM	6257	OH2	TIP3	758	67.919	65.829	34.994	1.00	46.46
ATOM	6258	OH2	TIP3	759	67.766	62.682	29.909	1.00	48.04
ATOM	6259	OH2	TIP3	760	67.898	67.872	33.364	1.00	55.10
ATOM	6260	OH2	TIP3	761	75.277	82.599	61.330	1.00	58.80
ATOM	6261	OH2	TIP3	762	74.827	82.595	58.575	1.00	49.19
ATOM	6262	OH2	TIP3	763	83.123	64.992	45.218	1.00	29.88
ATOM	6263	OH2	TIP3	764	84.728	65.820	66.470	1.00	45.69
ATOM	6264	OH2	TIP3	765	85.961	70.489	71.473	1.00	38.35
ATOM	6265	OH2	TIP3	766	87.324	68.224	72.271	1.00	28.55
ATOM	6266	OH2	TIP3	767	84.928	69.467	73.731	1.00	44.55
ATOM	6267	OH2	TIP3	768	76.765	62.520	103.736	1.00	58.67
ATOM	6268	OH2	TIP3	769	84.140	39.796	28.646	1.00	45.66
ATOM	6269	OH2	TIP3	770	83.628	41.922	32.632	1.00	43.68
ATOM	6270	OH2	TIP3	771	82.432	41.152	35.014	1.00	41.03
ATOM	6271	OH2	TIP3	772	85.785	40.516	31.870	1.00	77.32
ATOM	6272	OH2	TIP3	773	61.289	85.672	83.306	1.00	52.50
ATOM	6273	OH2	TIP3	774	80.035	101.956	82.899	1.00	37.06
ATOM	6274	OH2	TIP3	775	63.097	79.370	68.380	1.00	24.13
ATOM	6275	OH2	TIP3	776	88.040	87.256	70.554	1.00	40.73
ATOM	6276	OH2	TIP3	777	66.901	59.286	59.258	1.00	43.62
ATOM	6277	OH2	TIP3	778	81.864	74.462	75.134	1.00	36.80
ATOM	6278	OH2	TIP3	779	83.881	83.471	99.167	1.00	44.32
ATOM	6279	OH2	TIP3	780	83.457	80.677	98.481	1.00	44.09
ATOM	6280	OH2	TIP3	781	82.376	85.551	101.068	1.00	37.49
ATOM	6281	OH2	TIP3	782	75.550	74.768	98.408	1.00	52.97
ATOM	6282	OH2	TIP3	783	73.955	78.953	101.355	1.00	57.37
ATOM	6283	OH2	TIP3	784	80.713	64.405	109.404	1.00	44.25
ATOM	6284	OH2	TIP3	785	58.907	87.813	87.475	1.00	61.21
ATOM	6285	OH2	TIP3	786	80.267	61.506	96.956	1.00	36.10
ATOM	6286	OH2	TIP3	787	84.222	58.111	62.183	1.00	70.74
ATOM	6287	OH2	TIP3	788	83.160	57.267	58.302	1.00	52.72
ATOM	6288	OH2	TIP3	789	66.464	47.762	96.657	1.00	59.25
ATOM	6289	OH2	TIP3	790	69.394	52.614	90.763	1.00	48.67
ATOM	6290	OH2	TIP3	791	92.257	73.130	19.969	1.00	51.24
ATOM	6291	OH2	TIP3	792	99.638	61.766	45.543	1.00	54.79
ATOM	6292	OH2	TIP3	793	97.433	64.794	49.071	1.00	47.02
ATOM	6293	OH2	TIP3	794	77.710	52.845	32.368	1.00	35.15
ATOM	6294	OH2	TIP3	795	69.444	52.278	37.349	1.00	59.52
ATOM	6295	OH2	TIP3	796	68.211	49.099	26.477	1.00	47.09
ATOM	6296	OH2	TIP3	797	65.300	58.001	47.307	1.00	45.39
ATOM	6297	OH2	TIP3	798	67.739	54.960	47.317	1.00	52.04
ATOM	6298	OH2	TIP3	799	65.578	50.677	47.117	1.00	40.40

APPROVED	O G. FIG.	
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FIG. 1A-108

ATOM	6299	OH2	TIP3	800	70.910	67.580	52.751	1.00	35.66
ATOM	6300	OH2	TIP3	801	70.015	69.737	50.764	1.00	27.41
ATOM	6301	OH2	TIP3	802	80.334	70.409	42.183	1.00	97.77
ATOM	6302	OH2	TIP3	803	64.245	76.692	48.798	1.00	16.97
ATOM	6303	OH2	TIP3	804	65.457	76.921	51.491	1.00	31.17

APPROVED	O.G. FIG.	
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FIG. 2B



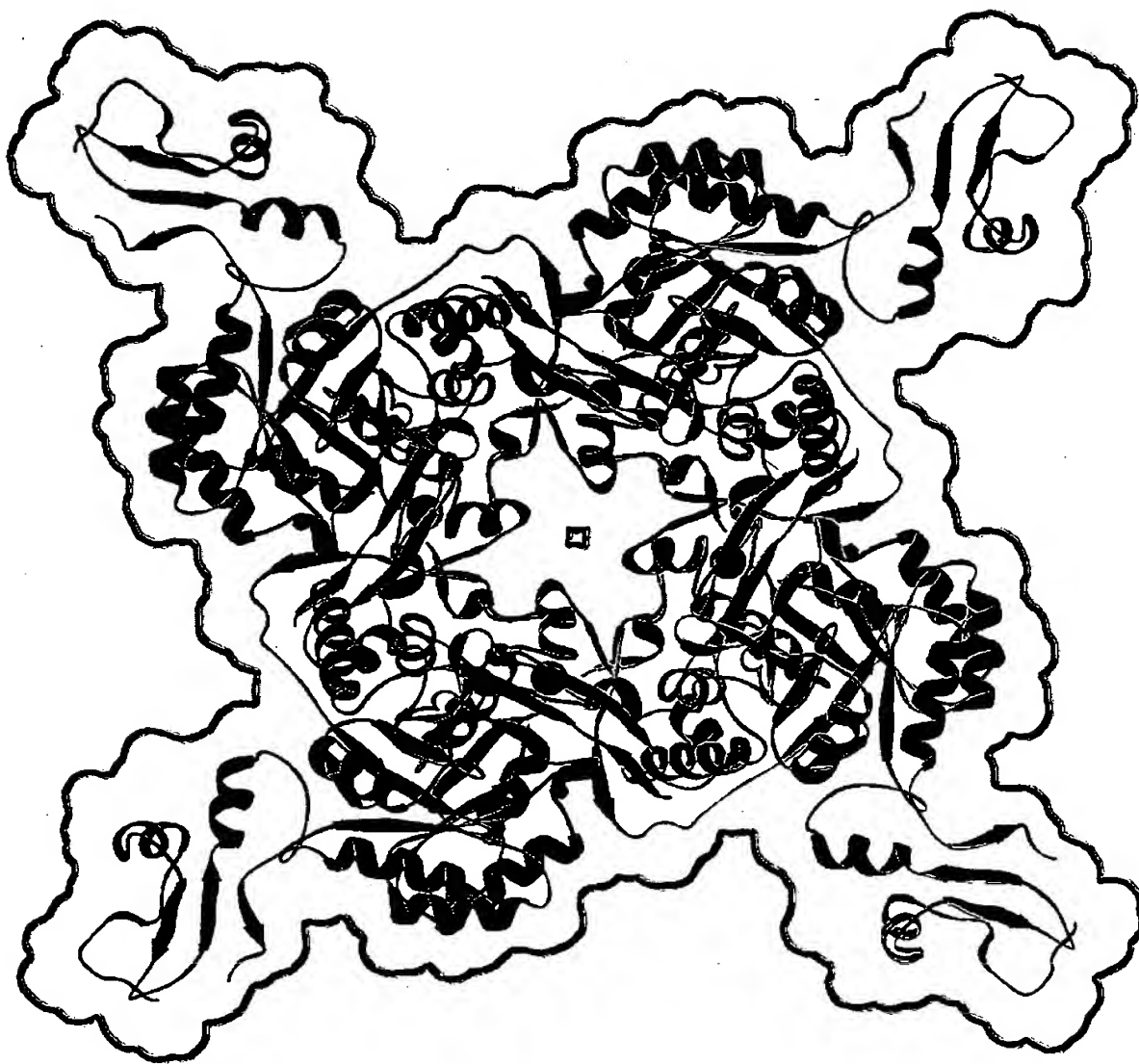
FIG. 2A



APPROVED	O G. FIG.	
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FIG. 4



APPROVED	O. G. FIG.
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FIG. 5B

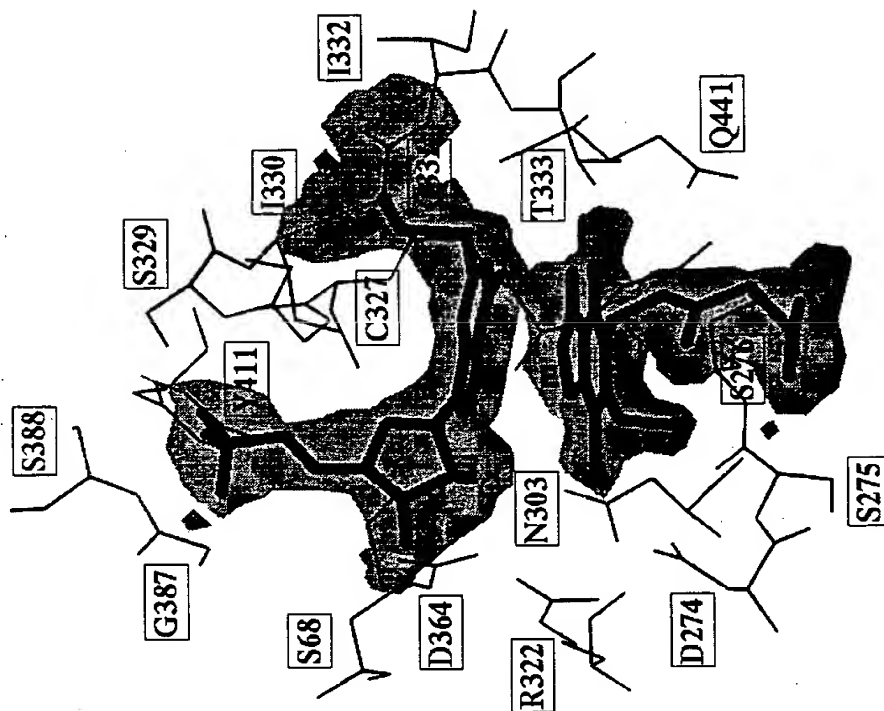
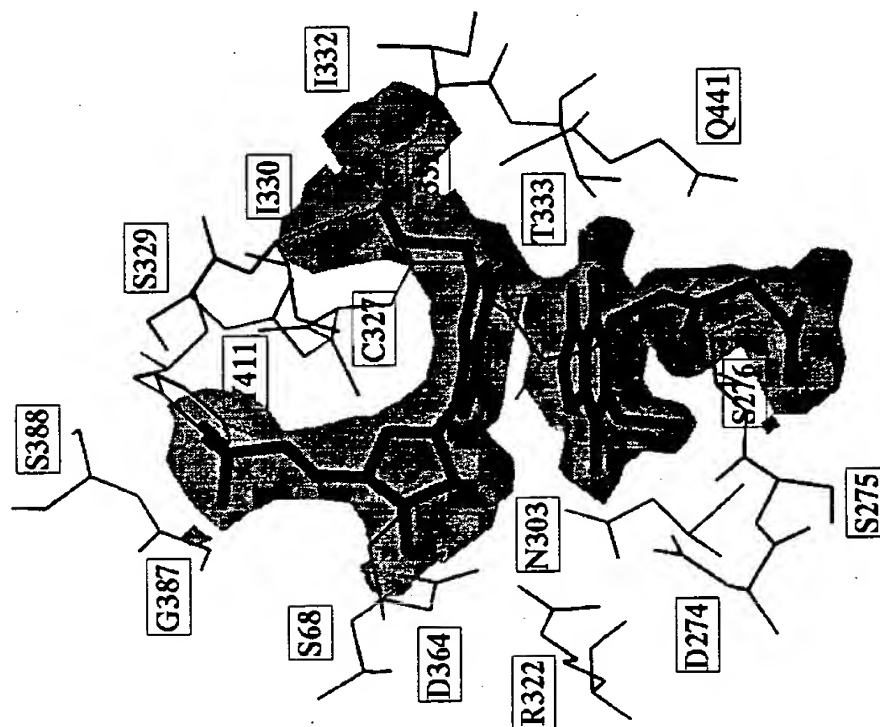


FIG. 5A



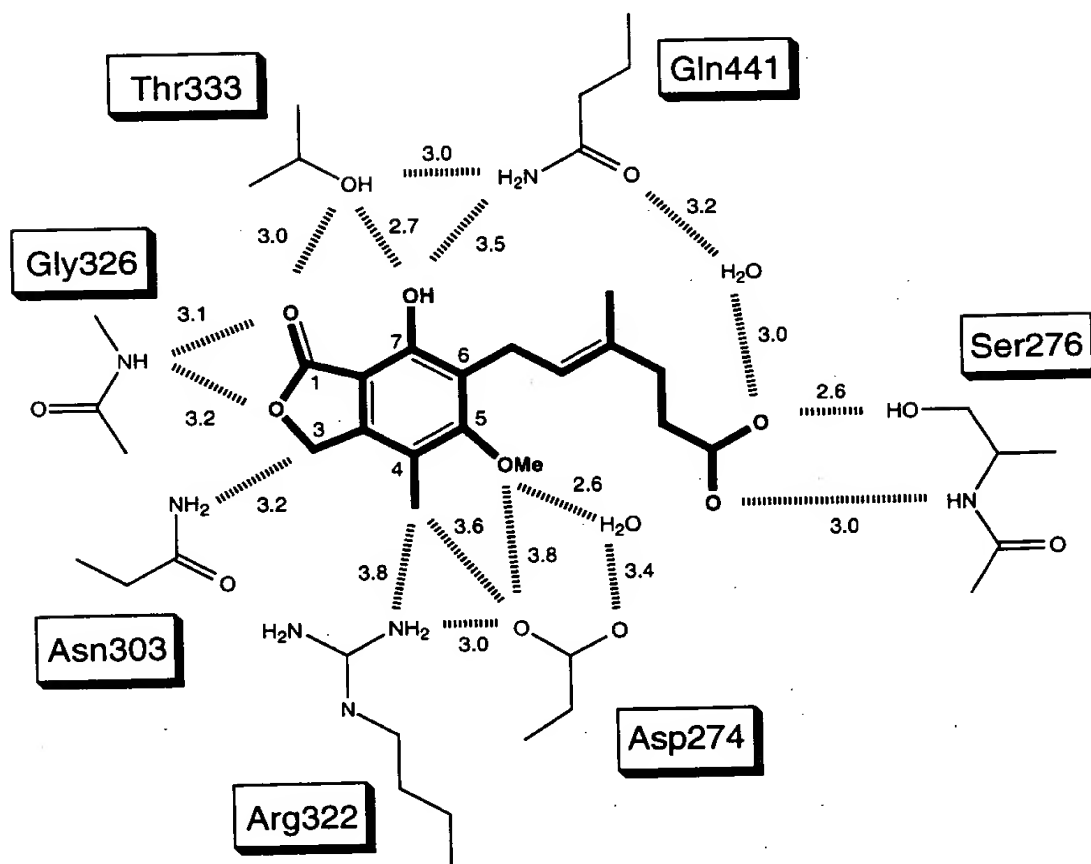
APPROVED	O. G. FIG.	
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FIG. 7

MPA interactions



APPROVED	O G. FIG.	
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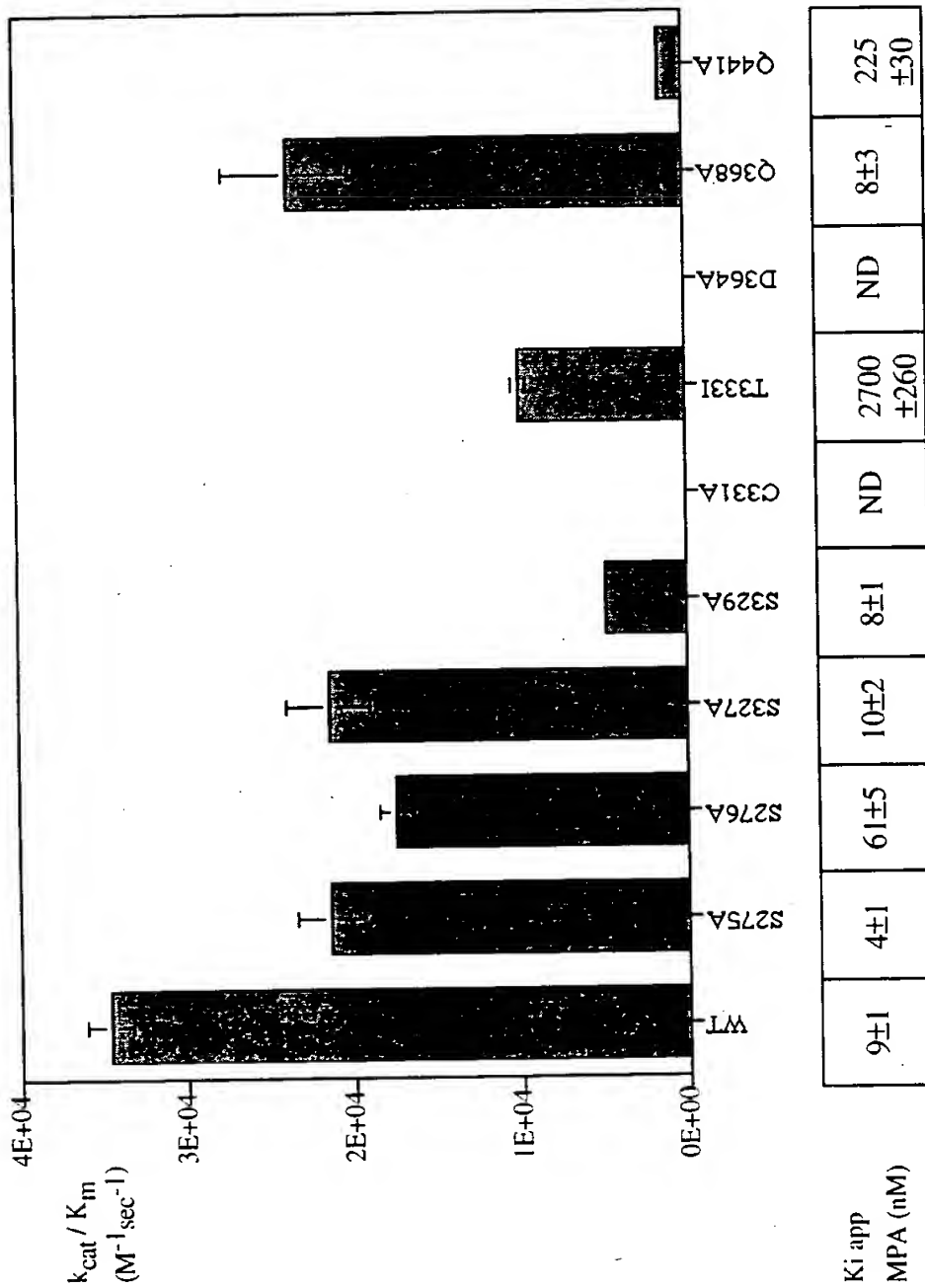


FIG. 8

APPROVED	O. G. FIG.	
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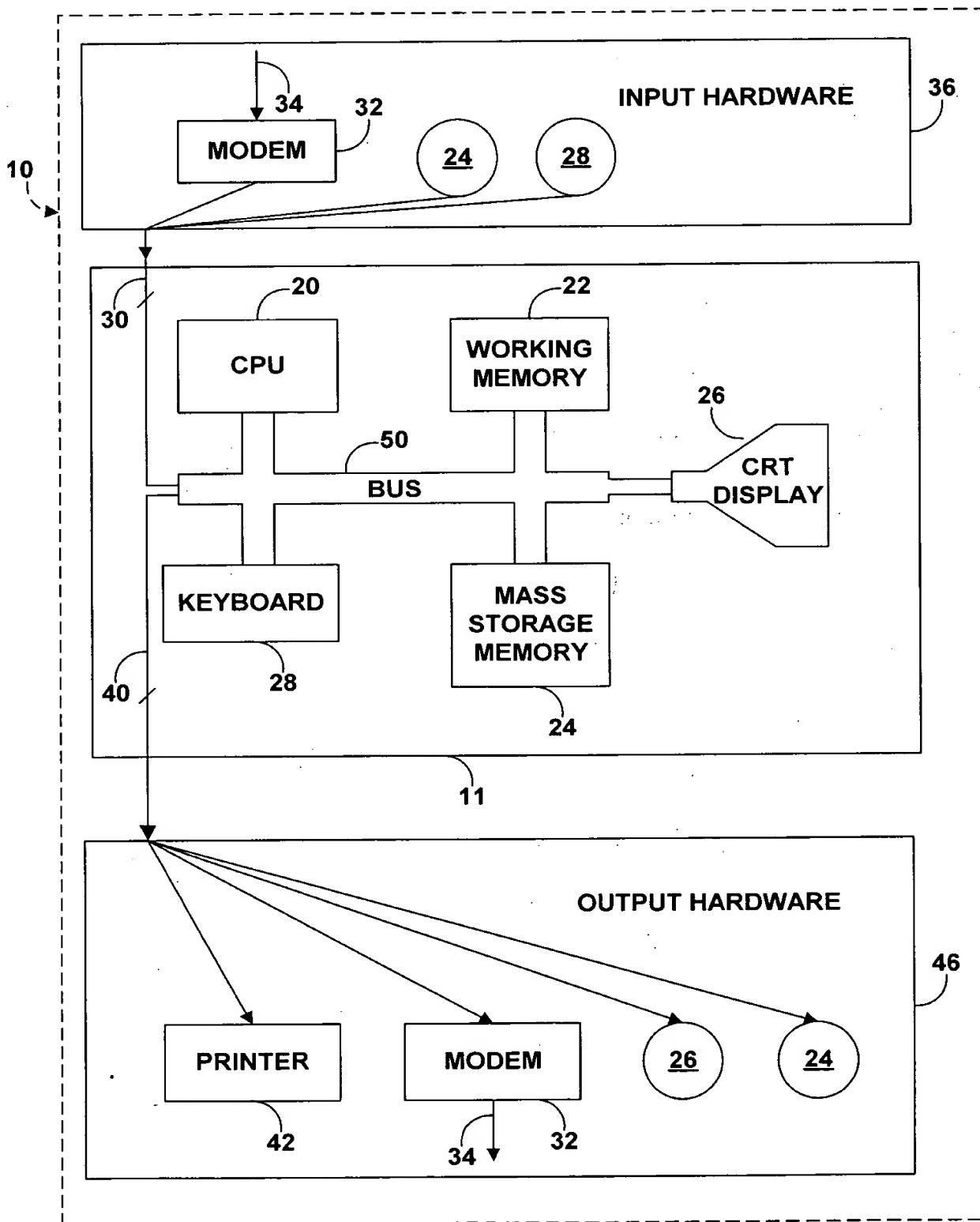


FIG. 9

APPROVED	O. G. FIG.	
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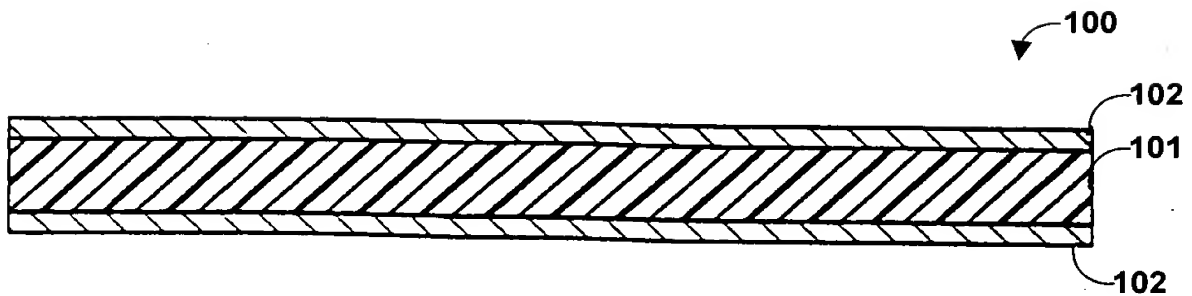
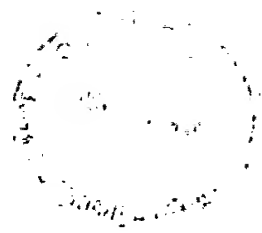


FIG. 10

APPROVED	O. G. FIG.	
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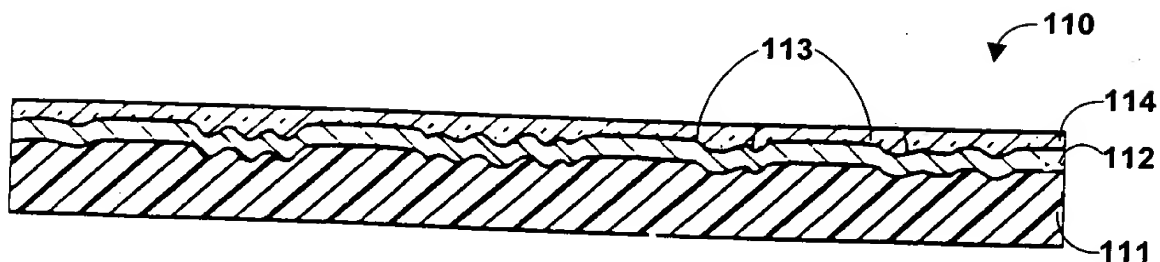


FIG. 11